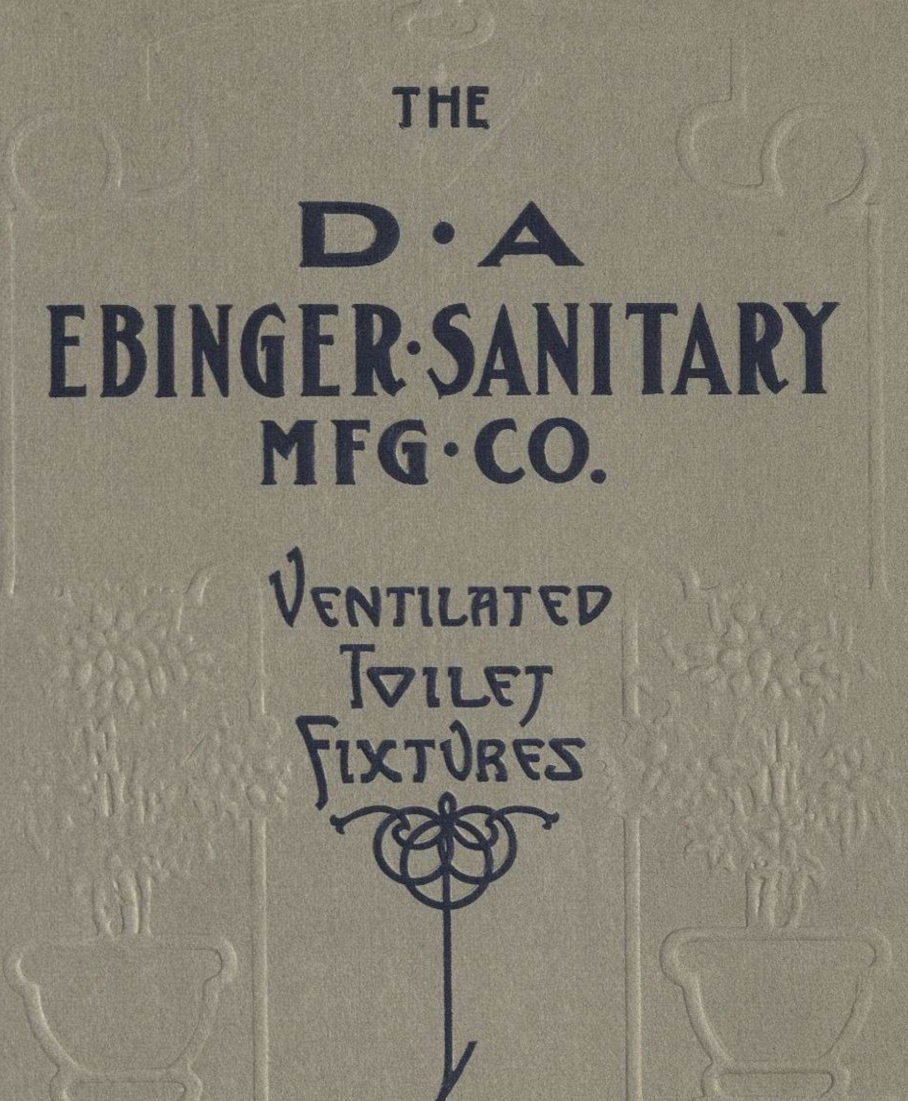

THE
D·A
EBINGER·SANITARY
MFG·CO.

VENTILATED
TOILET
FIXTURES

COLUMBUS OHIO

The Gift of

ANNA M. SCHWEINFURTH
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"EBINGER"

Ventilated Toilet Room Fixtures

FOR

SCHOOLS, COMFORT STATIONS, PUBLIC INSTITUTIONS
AND
FACTORIES

A Feature of Our Policy
"No Installation Without Ventilation"

The D. A. Ebinger Sanitary Mfg. Co.
OFFICE AND FACTORY
COLUMBUS, OHIO

FOREWORD

WE invite attention to the many new designs of VENTILATED TOILET FIXTURES herein illustrated. We would especially call attention to our Ventilated Octagon Urinal, Plate A-1, which is in a class by itself. Especially would we be pleased to have you examine our Ventilated Range Closet, Plate B-21, and Ventilated Individual Seat-action Flush-valve combination, Plate B-24, and note the construction of same.

These are made on entirely new and original lines and will, we trust, meet with your favor. You will observe that we are adhering strictly to our motto: "NO INSTALLATION WITHOUT VENTILATION."

The demand for our products is constantly growing and to provide for the increase we have enlarged our facilities and equipped our plant with the most modern appliances. We employ only the most skillful mechanics and use nothing but the finest material the market affords.

By installing "EBINGER" equipment in your Schools, Hotels, Comfort Stations, Public Institutions and Factories you are certain to have the toilet-rooms absolutely sanitary and entirely free from all obnoxious odors.

Respectfully submitted,

THE D. A. EBINGER SANITARY MFG. CO.

"SECTION A"

ILLUSTRATING AND DESCRIBING

VENTILATED URINALS

FOR

SCHOOLS, COMFORT STATIONS,
PUBLIC INSTITUTIONS
AND
FACTORIES.

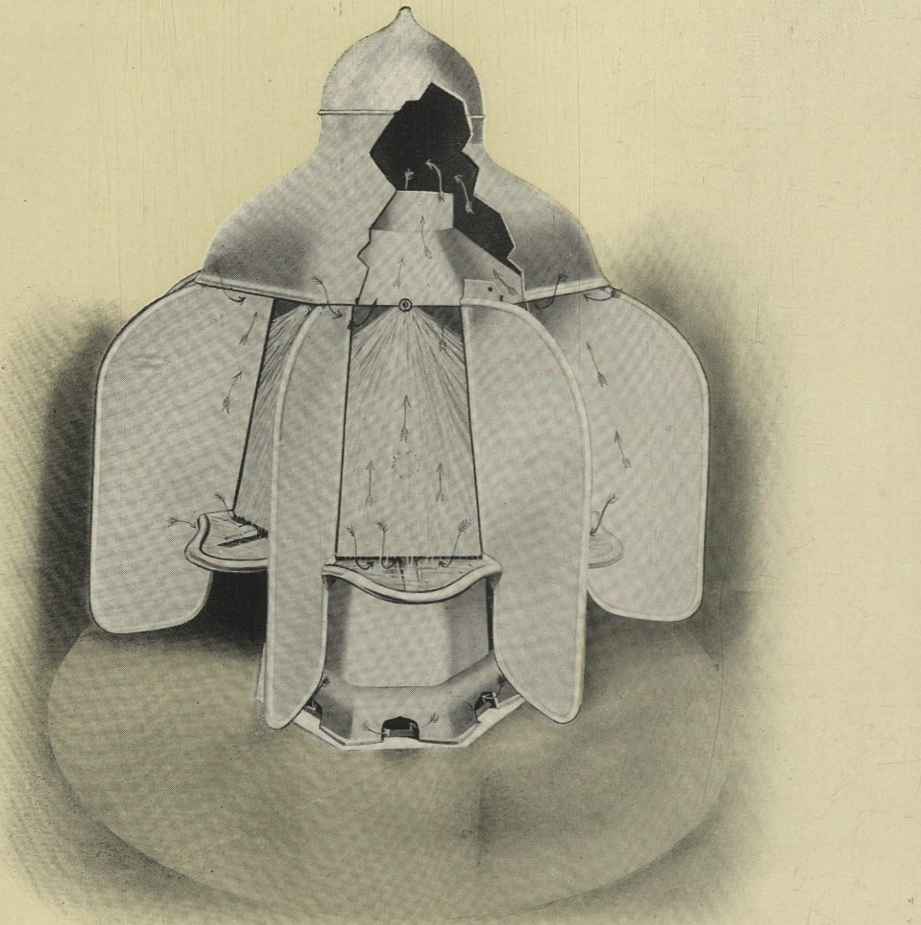


Plate A-1. (Patented.)

"EBINGER" Ventilated Octagon Urinal

Arranged for Underground Ventilation.

Plate A-1.

"EBINGER" Ventilated Octagon Urinal

(Patented.)

THIS urinal is an admirable combination in every way and will appeal to architects, sanitarians, and plumbers. It consists essentially of a battery of eight stalls firmly set on a heavy cast iron porcelain enameled base, set in cement and properly connected to the sewer.

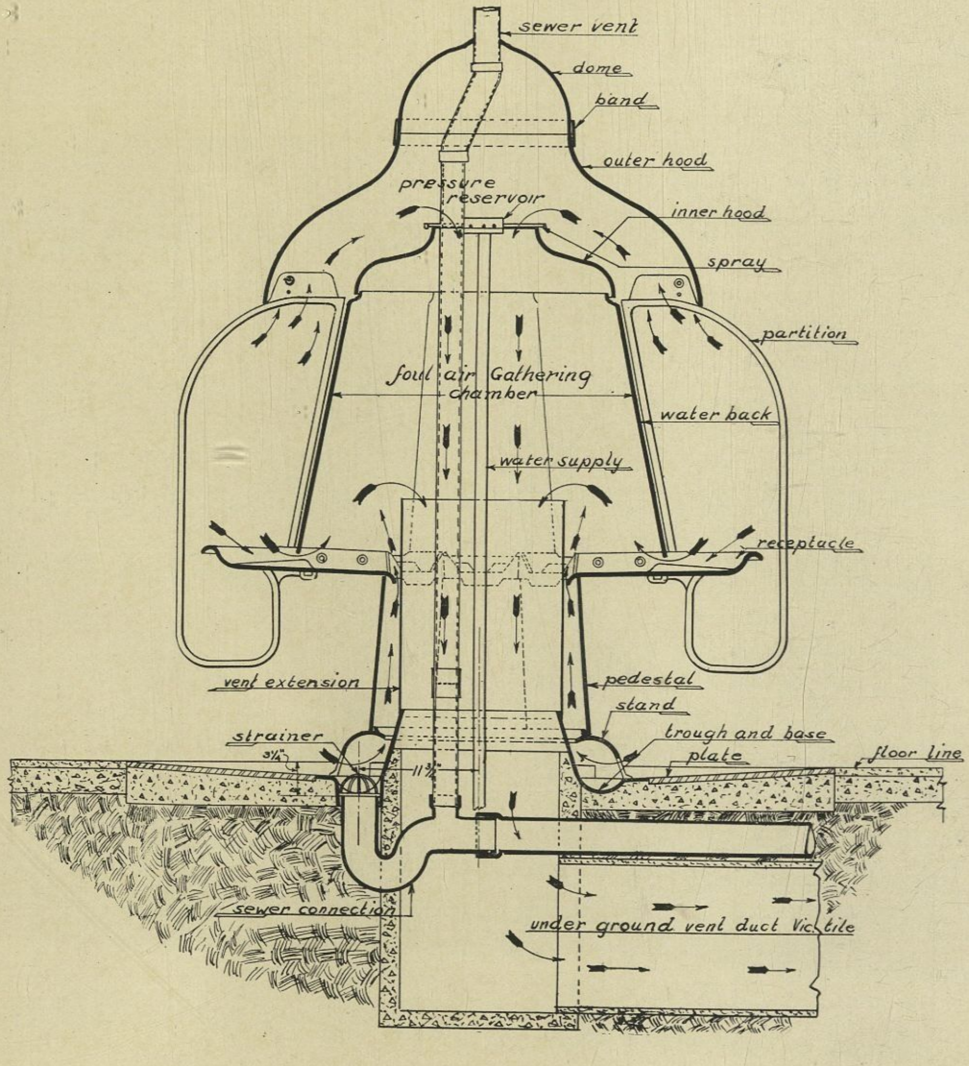
CONSTRUCTION. The relative position of parts, "roughing in measurements," etc., will be obtained by reference to the following drawings. The entire urinal is made of cast iron heavily porcelain enameled inside and outside, thus presenting at all times a hard, smooth surface of pure glassy white, positively non-absorbent and will not craze or crack. All abutting surfaces are carefully fitted and set together with pure white lead.

All fittings of extra heavy cast brass. Sprays are entirely adjustable and will operate satisfactorily on all pressures. They may be connected directly to the line or with a periodic flushing tank of proper capacity.

Circular floor about urinal may be either mosaic tile or "VITROLITE" glass solidly bedded in cement and drained toward base plate.

VENTILATION. There are three points of ventilation to each stall: first, at the bottom or floor line; second, between the lower edge of the water back and receptacle. The Ventilation from these two points is directed into the interior of the water back from which the foul air passes up through a G. I. duct if overhead, (Plate A-2), or down through a vitrified tile duct, if underground, (Plate A-1) to vent stack. The third point of ventilation is up under the outer hood and from thence up or down to the overhead or underground duct leading to the vent flue. Each section has a net vent capacity of 25 sq. in.; 200 sq. in per battery.

SPECIFICATIONS. No. Wanted "EBINGER" Ventilated Octagon Urinal, each consisting of a battery of eight stalls arranged octagonally. All parts to be of cast iron heavily porcelain enameled "in and out." Each stall to have three points of ventilation, twenty-four points in all, having a net effective vent area of 200 sq. in. per battery. Tile or glass floor about urinal to be not less than 6 ft. in diameter and properly drained to the base plate. Said urinal combination to be as described on Plate A-1 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.


sewer vent
dome
band
outer hood
pressure reservoir
inner hood
spray
partition
foul air Gathering chamber
water back
water supply
receptacle
vent extension
pedestal
stand
strainer
3¼
11½
trough and base plate
floor line
sewer connection
under ground vent duct Vic. tile

SECTIONAL DETAIL

“EBINGER” Ventilated Octagon Urinal

Arranged for Underground Ventilation.

DIMENSIONS

Height over all	5' - 6" 6' - 0"
Height from floor to receptacle	1' - 3" 1' - 9"
Distance out to out of partition	5' - 2"
Outlet	3"

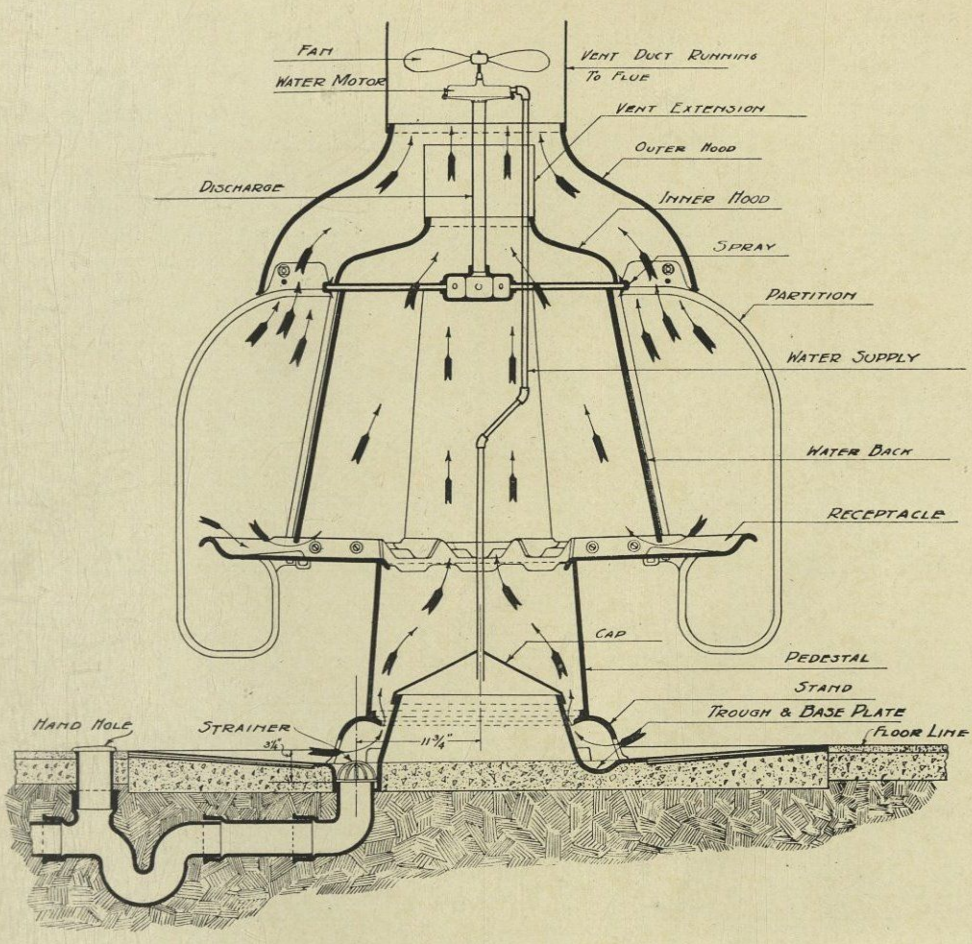

FAN
WATER MOTOR
VENT DUCT RUNNING TO FLUE
VENT EXTENSION
OUTER HOOD
DISCHARGE
INNER HOOD
SPRAY
PARTITION
WATER SUPPLY
WATER BACK
RECEPTACLE
CAP
PEDESTAL
STAND
TROUGH & BASE PLATE
FLOOR LINE
HAND HOLE
STRAINER
3¼"
11¾"

Plate A-2. (Patented.)

SECTIONAL DETAIL

"EBINGER" Ventilated Octagon Urinal

Arranged for Overhead Ventilation.

This is an excellent arrangement for securing positive ventilation with or without stack heater.

The water, after being used to operate the motor, is carried to the reservoir from which it is properly distributed, so that all parts of the urinal that come in contact with the urine are thoroughly flushed.

A flushing tank, that operates intermittently, may be substituted for the continuous flush.

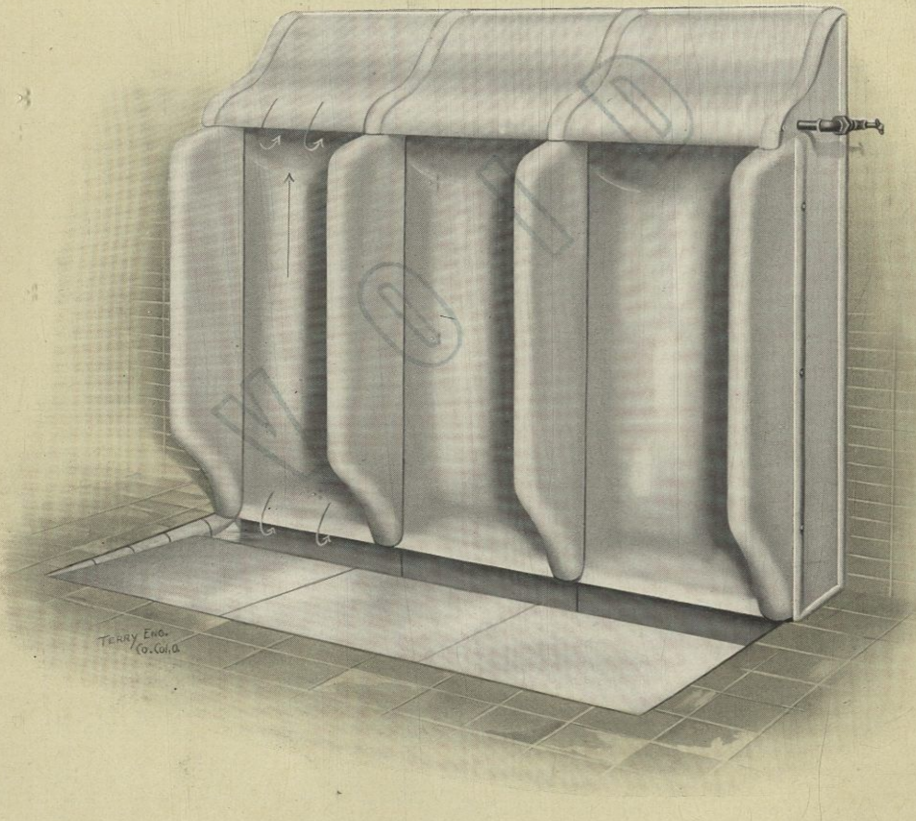

TERRY ENG. Co. Col. O.

Plate A-3. (Patented.)

"EBINGER" Ventilated Wall Urinal

Arranged for Underground Ventilation.

For Overhead Ventilation See Details, Pages 14 and 15.

PLATE A-3

"EBINGER" Ventilated Wall Urinal.

Ventilated Wall Urinal of any number of sections for Comfort Stations, Hotels, Clubs, Library and Office Buildings and Public Places.

GENERAL:—This Urinal may consist of any number of stalls, arranged in a single range against the wall, or in two ranges placed back to back. White glass floor slabs are firmly set in cement and drain into the troughs.

CONSTRUCTION:—The relative position of parts, construction, etc., will be obtained by reference to the sectional details. Partitions and concave backs are made in one piece, eliminating all undesirable joints. The entire fixture is exceptionally massive, of good proportions and exceedingly neat in appearance. All fittings are of brass and where exposed, heavily nickeled. Spreaders supplied from Automatic Flushing Tank, distribute the water evenly over the entire surface of the concave back so that all parts of Urinal that come in contact with the Urine are thoroughly flushed.

VENTILATION:—There are two points of ventilation to each stall; at the bottom between trough and backwall and at the top under the hood. The ventilation from these points is directed into the space back of the Urinal, from whence it passes to ventilating flue (see details). Each Urinal section has a free vent area of 25 sq. in.

SPECIFICATIONS.—No. wanted__________ "EBINGER" Ventilated Wall Urinal. Concave backs and massive partitions to be made in one piece. Each Urinal back to be flushed periodically from Automatic Flushing Tanks. White glass floor slabs to be set so as to drain into troughs. Each Urinal stall to have an effective vent area of 25 sq. in. per section, connected to ventilating flue through (vitrified tile or galvanized iron) ducts of ample capacity. Said Urinal combination to be as described on Plate A-3. in catalogue of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

DIMENSIONS:

Width, center to center of partitions	20½"
Height, from floor to top of hood or vent connection	4' 5"
Depth, over all (Fig. 1)	20"
Outlet	3"
Out to out of partitions, (Fig. 2)	3' 4"

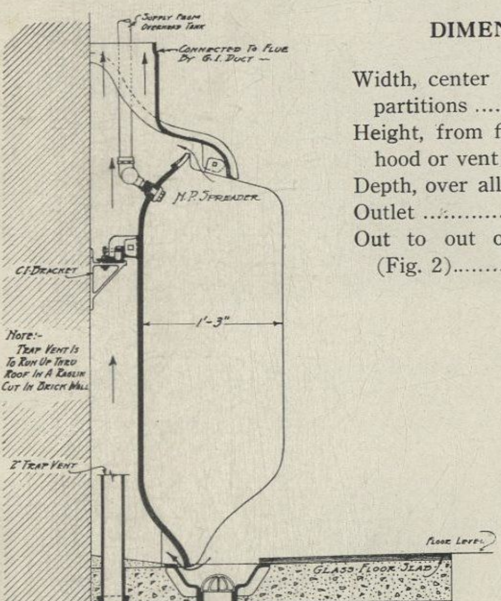

Supply From Overhead Tank
Connected To Flue By G.I. Duct —
M.P. Spreader
C.I. Bracket
1'-3"
Note:- Trap Vent Is To Run Up Thru Roof In A Raglin Cut In Brick Wall
2" Trap Vent
Floor Level
Glass Floor Slab
Trap
Sewer

FIG. 1

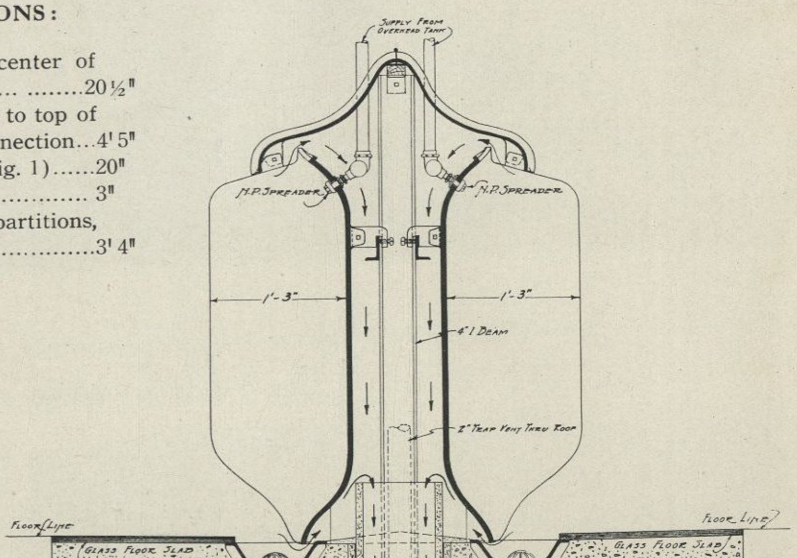

Supply From Overhead Tank
M.P. Spreader
M.P. Spreader
1'-3"
1'-3"
4" I Beam
2" Trap Vent Thru Roof
Floor Line
Floor Line
Glass Floor Slab
Glass Floor Slab
Trap
Vit Tile Duct To Flue
Sewer

FIG. 2

THE D. A. **EBINGER SANITARY** MF'G. CO.
COLUMBUS, OHIO, U. S. A.

APR 1 1 '18

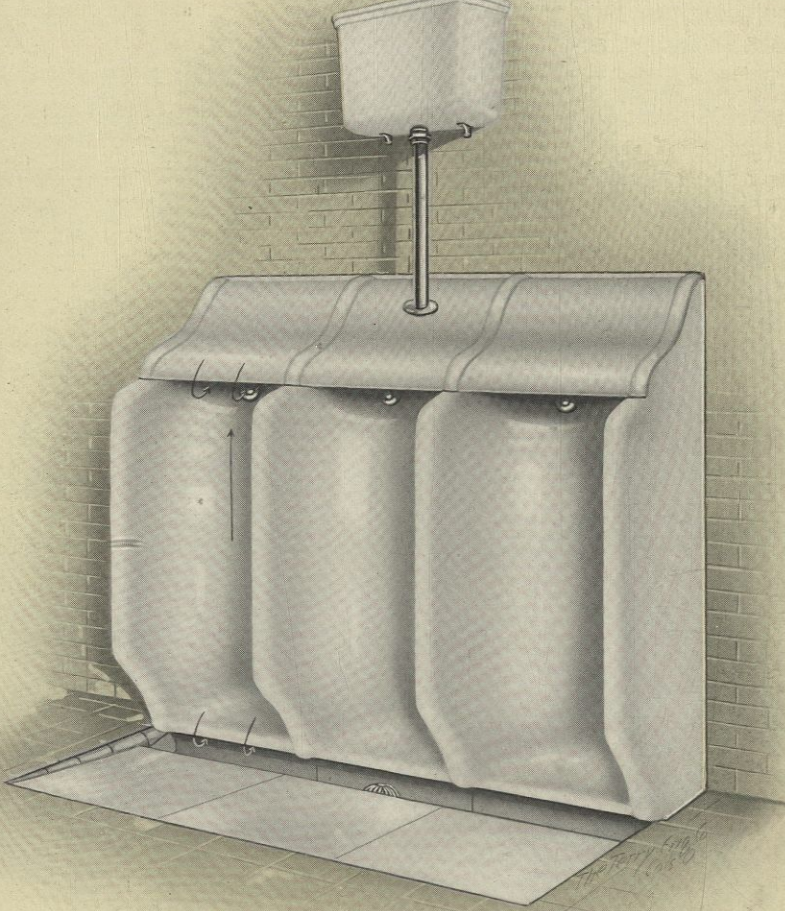


PLATE A-3 (Patented)

"EBINGER" Ventilated Wall Urinal.

Arranged for Underground Ventilation.

For Overhead Ventilation See Sectional Details.

Plate A-3.

"EBINGER" Ventilated Wall Urinal

VENTILATED Wall Urinal of any number of sections for Comfort Stations, Hotels, Clubs, Library and Office Buildings and Public Places.

GENERAL. This urinal may consist of any number of stalls, depending upon the space available, arranged in a single range against the wall (Page 14), or in two ranges placed back to back (Page 15). One or more of the drainage troughs to have outlets connected with sewer through 3" cast iron traps and vented according to the local plumbing code. Balance of troughs are plain and drain toward the outlets. White glass floor slabs shall be set firmly in cement and drain into troughs.

CONSTRUCTION. The relative position of parts, construction, "roughing in," etc., will be obtained by reference to the sectional details (Pages 14 and 15). The entire urinal is made of cast iron heavily porcelain enameled on all exposed surfaces, thus presenting at all times a hard, smooth, glassy, non-absorbent surface to which the urine cannot adhere. All joints or abutting surfaces are carefully ground on special grinding machines and put together with white lead. Partitions are exceptionally massive and of good proportions, which, in combination with the heavy hoods, make the fixture appear exceedingly massive and durable.

All fittings are of brass and, where exposed, heavily nickled. Sprays are entirely adjustable and operate satisfactorily on all pressures. They distribute the water evenly over the entire surface of the concave back so that all parts of the urinal that come in contact with the urine are thoroughly flushed.

VENTILATION. There are two points of ventilation to each stall; at the bottom between trough and back-wall, and at the top under the hood. The ventilation from these points is directed into the space back of the urinal from whence it passes up through the vent hoods and G. I. ducts if overhead (Plate A-4) or down through a vitrified tile duct if underground (Plate A-3) to vent flue. Each urinal section has a free vent area of 25 sq. in.

SPECIFICATIONS. ___No Wanted___ "EBINGER" Ventilated Wall Urinal. To be of cast iron heavily porcelain enameled on all exposed surfaces. To have concave backs and massive partitions, firmly bolted together and supported on concealed brackets. Each concave urinal back to be thoroughly flushed (continuously or periodically) through adjustable sprays. White glass floor slabs in front of urinal to be set so as to drain into troughs. Each urinal stall to have an effective vent area of 25 sq, in. per section connected to ventilating flue through tile or G. I. ducts of ample capacity. Said urinal combination to be as described on Plate A-3 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

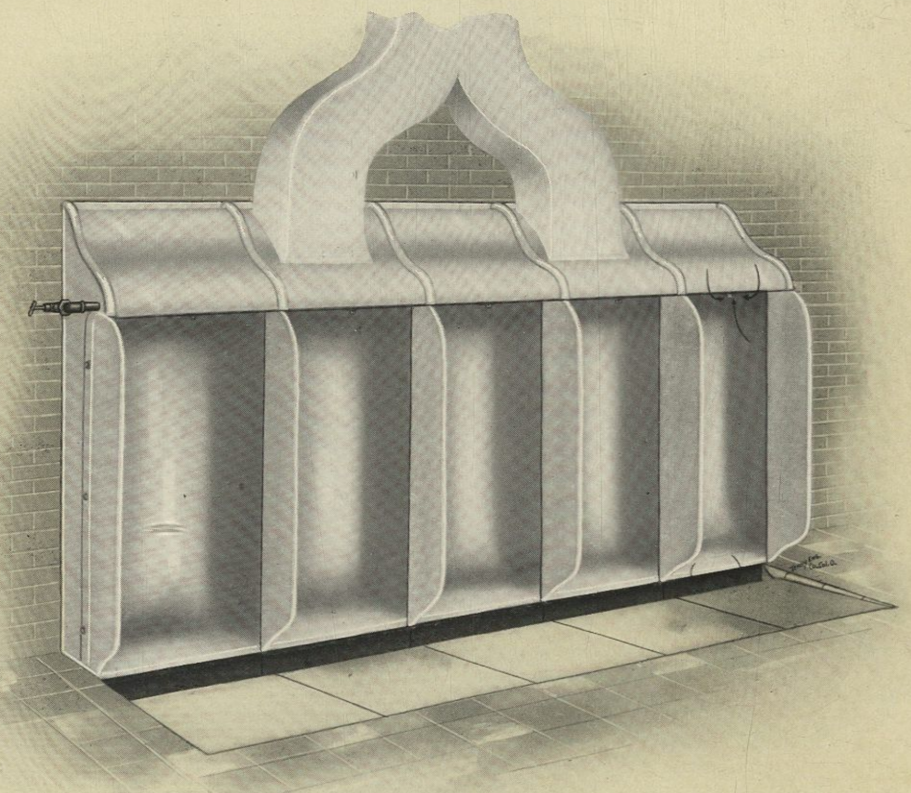


Plate A-4. (Patented.)

"EBINGER" Ventilated Side-Wall Urinal

Arranged for Overhead Ventilation.

Plate A-4.

"EBINGER" Ventilated Side-Wall Urinal

VENTILATED Side-Wall Urinal of any number of sections, for Schools, Factories, Comfort Stations and Public Places.

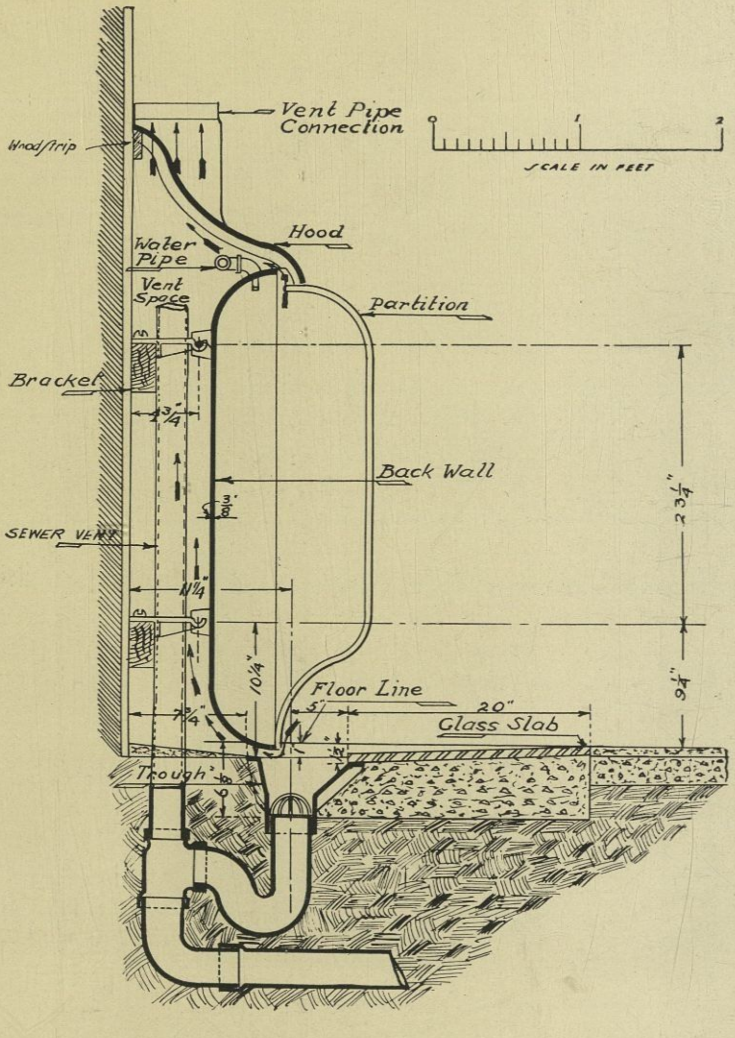
GENERAL. Any number of stalls in a single range against the wall or in two ranges placed back to back supported on steel frame work as illustrated on page 15. One or more of the drainage troughs to have outlets connecting with the sewer through 3" cast iron running traps, with hub cleanout and properly vented. Balance of the troughs are plain and properly drain toward the outlets. White glass floor slabs shall be firmly set in cement and drain into troughs.

CONSTRUCTION. Relative position of parts, construction and "roughing in" measurements may be obtained by reference to the sectional details (Pages 14 and 15). The entire urinal is made of heavily porcelain enameled cast iron; center, right and left front portions to be enameled on both sides, the balance on one side. Joints or abutting surfaces are carefully ground on special grinding machines, and are put together with pure white lead so there is no possible chance for the joints to leak or corrode.

All fittings of heavy brass and where exposed heavily nickled. Sprays are entirely adjustable and operate satisfactorily on all pressures. They distribute the water evenly over the entire surface of the concave back so that all parts of the urinal that come in contact with the urine are thoroughly flushed. The water supply for the urinal may be connected directly to the line or with a periodic flushing tank of proper capacity.

VENTILATION. There are two points of ventilation to each stall; at the bottom between the trough and backwall and at the top under the hood. The ventilation from these two points is directed into the back of the urinal from whence it passes up through the vent hoods and G. I. ducts if overhead (Plate A-4) or down through vitrified tile ducts if underground (Plate A-3) to vent flue. Each urinal section has a free vent area of 25 sq. in.

SPECIFICATIONS. ____No. Wanted.____ "EBINGER" Ventilated Side-Wall Urinals to be heavily porcelain enameled cast iron; center, right and left front partitions to be enameled on both sides and the balance on one side. Each concave urinal back to be thoroughly flushed (continuously or periodically) by adjustable sprays. White glass floor slabs in front of urinal to be set so as to drain into troughs. Each urinal shall have an effective vent area of 25 sq. in. per section and be connected to the ventilating flue through tile or G. I. ducts of ample capacity. Said urinal combination to be as described on Plate A-4 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

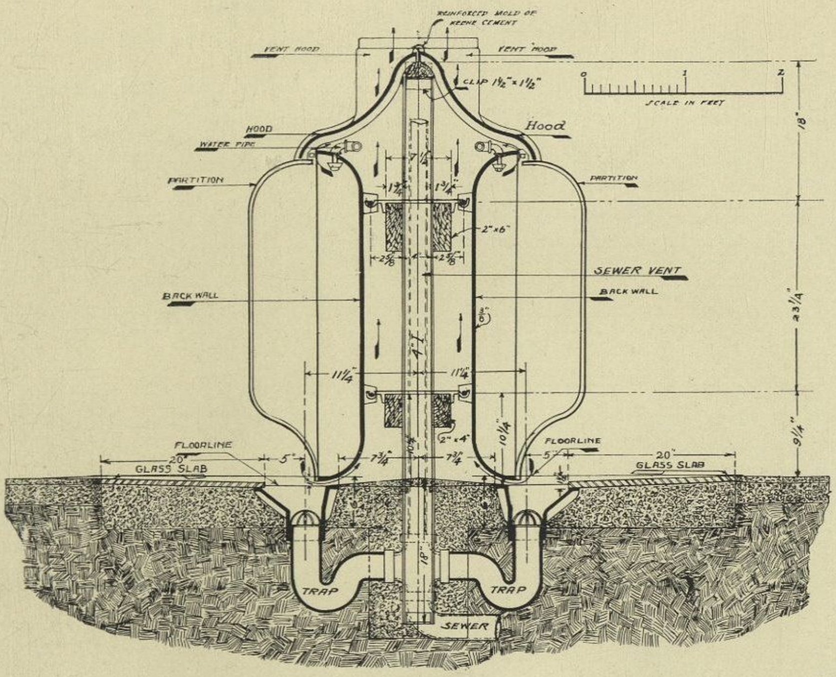

Vent Pipe Connection
Woodstrip
0
1
2
SCALE IN FEET
Hood
Water Pipe
Vent Space
Partition
Bracket
4¾"
Back Wall
⅜"
SEWER VENT
11¾
23¼"
10¼"
9¼"
Floor Line
5"
20"
Glass Slab
7¼"
Trough

SECTIONAL DETAILS

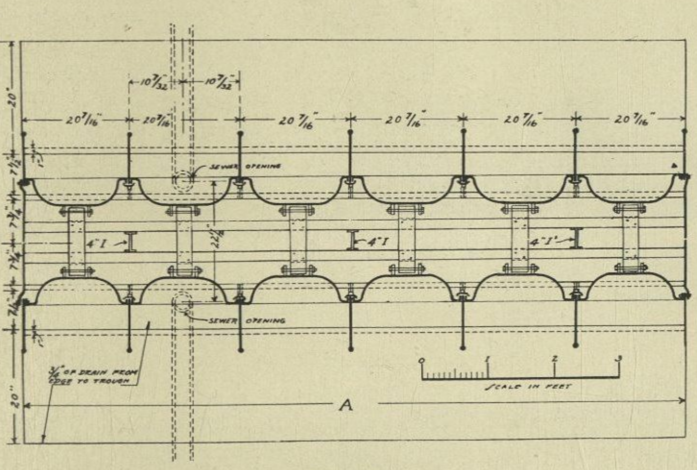
"EBINGER" Ventilated Urinals
Plates A-3 and A-4

DIMENSIONS

Width from center to center of partitions	20⅜"
Height from floor to vent connection	4'-5"
Outlet	3"
Depth over all	19"


REINFORCED MOLD OF KEENE CEMENT
VENT HOOD
VENT HOOD
CLIP 1½" × 1½"
0
1
2
SCALE IN FEET
HOOD
Hood
WATER PIPE
PARTITION
PARTITION
7¼"
1¾"
1¾"
2" × 6"
2⅝"
2⅝"
SEWER VENT
BACK WALL
BACK WALL
18"
23¼"
4" I
11¼"
11¼"
2" × 4"
10¼"
9¼"
FLOORLINE
FLOORLINE
20"
20"
GLASS SLAB
GLASS SLAB
5"
5"
7¾"
7¾"
TRAP
TRAP
SEWER

SECTION


10⅞⁄32"
10⅞⁄32"
20⁷⁄₁₆"
20⁷⁄₁₆"
20⁷⁄₁₆"
20⁷⁄₁₆"
20⁷⁄₁₆"
20⁷⁄₁₆"
20"
7½"
7¾"
7¾"
7½"
1"
1"
22½"
SEWER OPENING
SEWER OPENING
4" I
4" I
4" I
¾" OF DRAIN FROM EDGE TO TROUGH
0
1
2
3
SCALE IN FEET
A
20"

PLAN

DETAILS

"EBINGER" Ventilated Urinals
Plates A-3 and A-4

Arranged back to back.

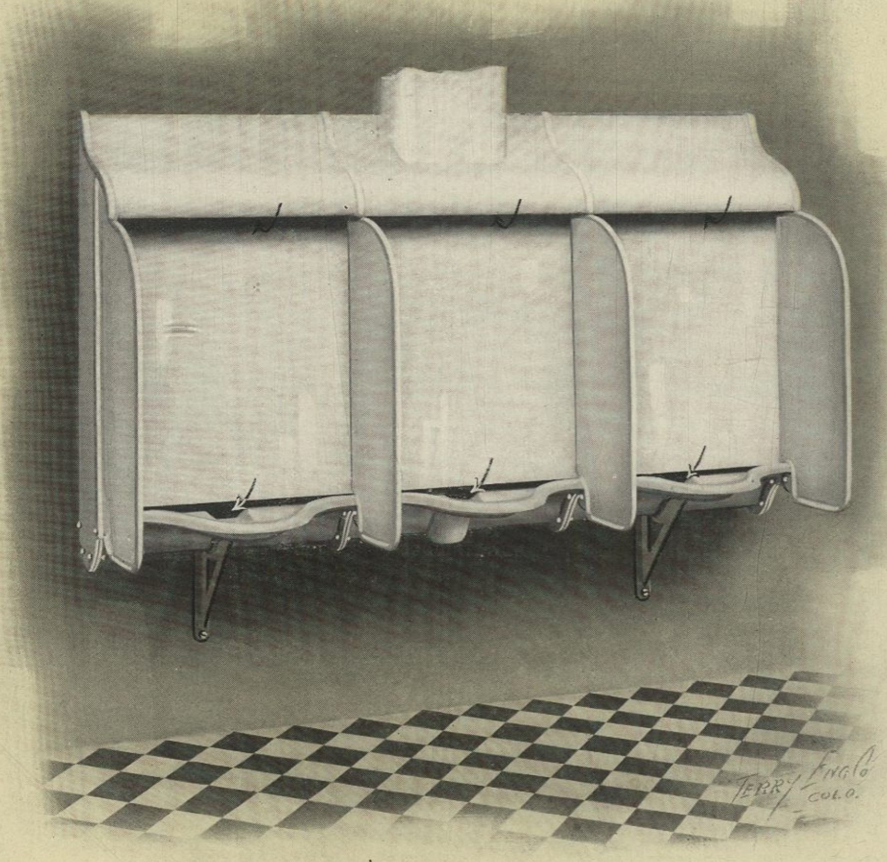

Terry Eng Co Colo.

Plate A-6. (Patent Pending.)

"EBINGER" Ventilated Range Urinal

Plate A-6.

"EBINGER" Ventilated Range Urinal

VENTILATED Range Urinal of any number of sections, for Factories, Railroad and Comfort Stations and Public Places.

GENERAL. The Ventilated Range Urinal may consist of any number of stalls, the number depending upon the space available. One or more bowls with outlets, as the case may require. These bowls are so constructed that the water flowing over the back-wall into the bowl shall fall upon the incline, forcing the water to the front edge and center. From thence it is forced through the depression in this extended lip back into the trough behind the back-wall. In every range there are one or more bowls with outlets, depending upon the length of the range. These are connected with the sewer through nickel-plated vented "S" or "P" traps.

CONSTRUCTION. Relative position of parts, "roughing in" measurements, etc., may be obtained by reference to the sectional detail (Page 19). All joints or abutting surfaces are ground true and put together with pure white lead, so as to eliminate any possibility for the joints to leak or corrode. All partitions, bowls and brackets are heavily porcelain enameled both inside and outside, while the back-walls and hoods are porcelain enameled on exposed surfaces only.

All fittings are of brass and where exposed heavily nickled. A perforated brass spray pipe running the entire length of the range distributes the water evenly over the entire surface of the back so that all parts that come in contact with the urine are thoroughly flushed. The flush may be continuous if direct connected, or intermittent if connected to an automatic flushing tank of proper capacity.

VENTILATION. There are two points of ventilation for each stall. First, at the bottom between the bowls and backwalls; second, at the top under hood; a total of 30 sq. in. per section. The ventilation from these two points is directed into the back of the urinal from whence it passes up through the vent hoods and G. I. vent pipe connecting with the vent flue.

SPFCIFICATIONS. __Quantity Wanted__ "EBINGER" Ventilated Range Urinal. To be heavily porcelain enameled cast iron; all hoods, partitions, brackets heavily enameled on both sides and the backs and hoods on exposed surfaces. Each range to have perforated brass spray pipe to flush the entire exposed surface of the backs. Each stall shall have an effective vent area of 30 sq. in. per section and be connected to ventilating flue through G. I. ducts of ample capacity. Said urinal to be as described on Plate A-6 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

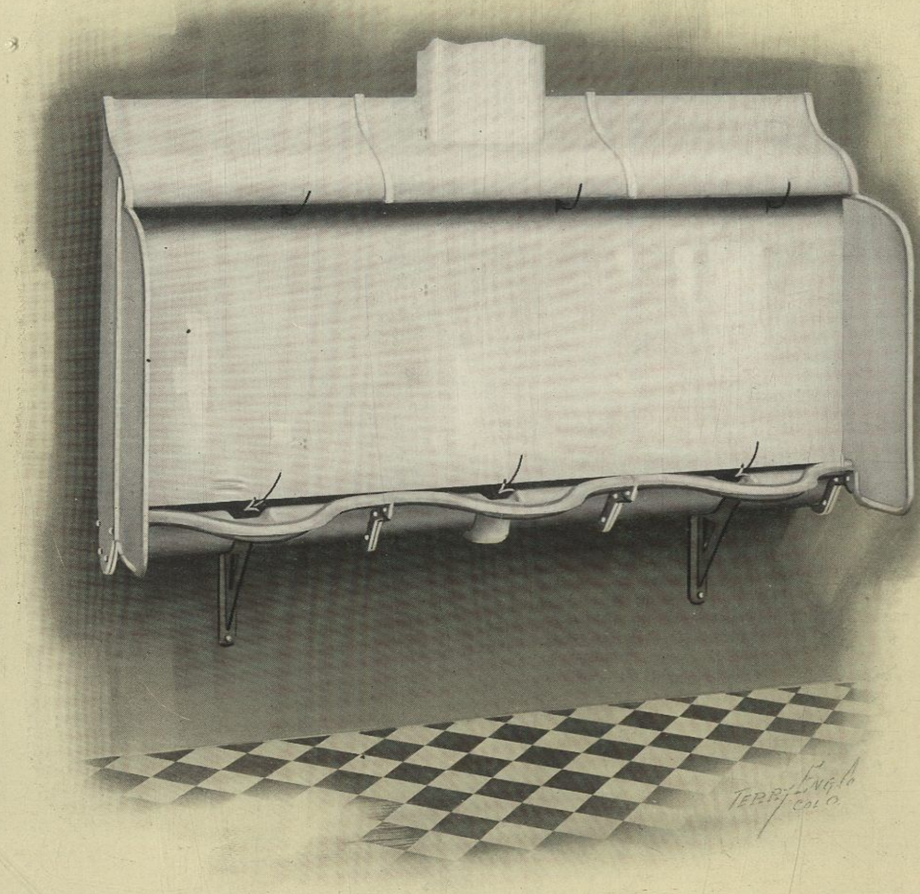

TERRY ENG. Co. COLO.

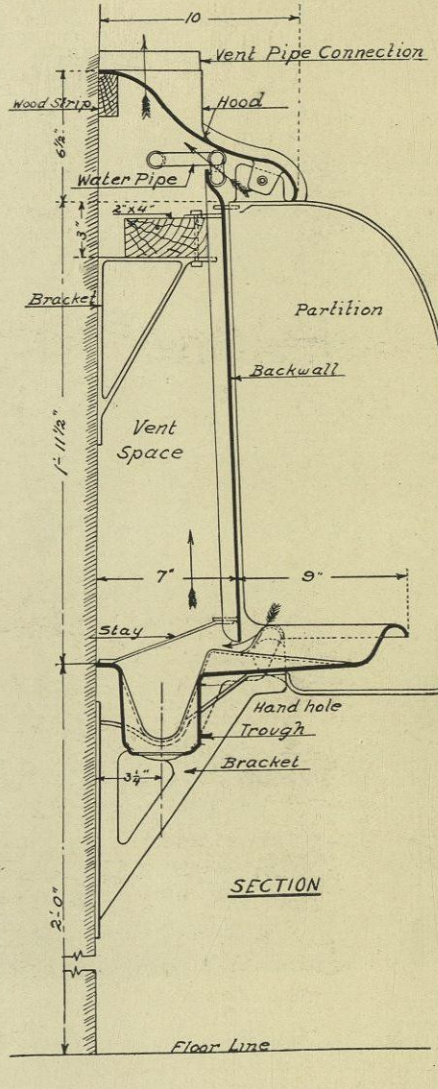
Plate A - 8.

"EBINGER" Ventilated Range Urinal

Without Partitions.

THE above illustration shows a design similar to that as shown on Plate A-6 but without the wing plates. The general construction, sanitary conditions and ventilation are identical.

Any number of sections, porcelain enameled, with wall brackets, perforated brass spray pipe, etc.


10
Vent Pipe Connection
Wood Strip
Hood
6½"
Water Pipe
2"x4"
3"
Bracket
Partition
Backwall
Vent Space
1'-11½"
7"
9"
Stay
Hand hole
Trough
Bracket
3¼"
SECTION
2'-0"
Floor Line

SECTIONAL DETAILS

"EBINGER" Ventilated Range Urinals Plates A-6 and A-8

DIMENSIONS

Width from center to center of partitions	22"
Height from floor to top of receptacle	Variable
Depth	18"
Outlet	1½"

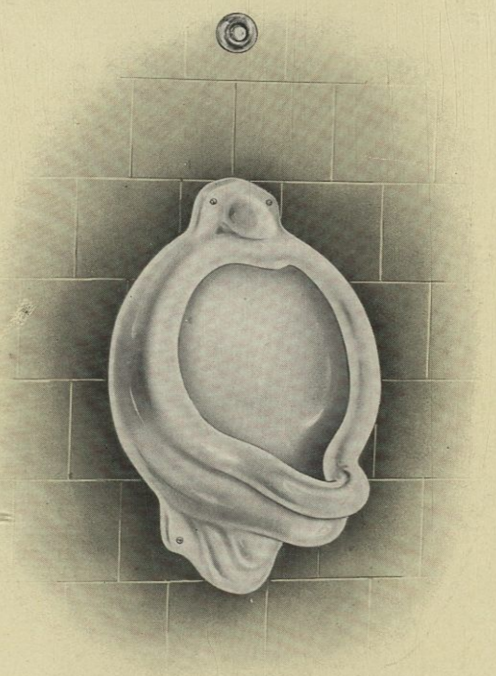


Plate A - 11.

"EBINGER" Ventilated Washout Urinal

RECEPTOR. Vitreous china washout urinal with hood and local vent, complying with United States Government Specifications for type F-4 urinal, with Wall Supply and Wall Outlet.

FLUSH VALVE. Bronze metal, with china push button, Nickle Plated Escutcheon, ¾" inlet, union outlet. Cannot be held open to waste water and does not require regulating as they flush the same amount under any pressure from five to one hundred pounds. May be used with Flush tank (automatic or hand action) instead of Flush Valve.

"SECTION B"

ILLUSTRATING AND DESCRIBING

VENTILATED CLOSETS

FOR

SCHOOLS, COMFORT STATIONS,
PUBLIC INSTITUTIONS,
FACTORIES AND RESIDENCES.

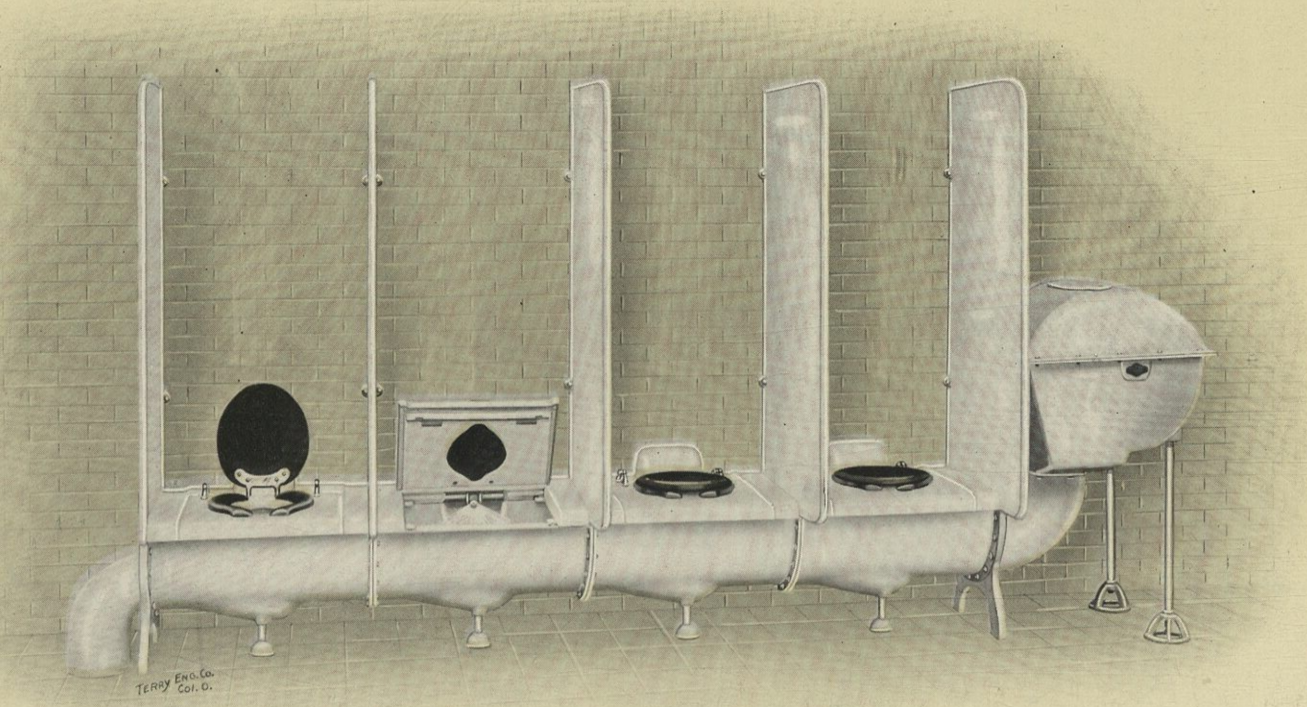

TERRY ENG. CO.
COL. O.

Plate B-21. (Patented.)

"EBINGER" Ventilated Range Closet

Plate B-21.

"EBINGER" Ventilated Range Closets

VENTILATED Automatic Range Closets, Automatic Flushing Tank, Sanitary reinforced Quartered Oak Seat and Ventilated Bowls for Schools, Factories, Railroad and Comfort Stations and Public places.

GENERAL. Any number of sections set up in continuous range for each row of closets and connected to a 6" trap with hand hole, vented according to the State or local plumbing code. An automatic flushing tank connecting with one end of the range flushes the closets at periodic intervals as requirements demand. Water supply being controlled by a valve located in a convenient place. Entire inside surface of bowls are thoroughly washed intermittently or continuously (as desired) by adjustable sprays at both front and rear of bowl.

Each section is locally vented directly into copper or galvanized ducts placed at the rear of range and in turn connected with the vent stack.

BOWL. Heavily porcelain enameled (enameled inside and outside) cast iron bowl with extended vent opening in rear having an effective vent area of 15 sq. in. per section, covered by a screen of non-corroding material. It has a deep depression in bottom of bowl, full 2", and a large water area. Each bowl is supported in the centre by an adjustable standard. The entire range has a slight fall towards the outlet, thus permitting its use by juveniles as well as adults. Abutting surfaces of bowls are ground to a perfect surface on special grinding machines, making possible a metal to metal joint which is water tight under all conditions.

SANITARY SEAT AND COVER. Entire top of bowl is covered by porcelain enameled (enameled both sides) seat plate which is hinged in the rear to permit its being raised when cleaning interior of bowl. The seat opening in this plate is extended both front and rear, quartered oak side pieces carefully shaped to a semi-saddle are bolted firmly to this cover plate on both sides of the opening, thus making a composite seat which is absolutely sanitary as well as comfortable. All seats provided with hinged lids which cannot stand open when closet is not occupied. Seat and lid in quarter-sawed oak, rub finish. Hinges are of cast brass heavily nickled and highly polished.

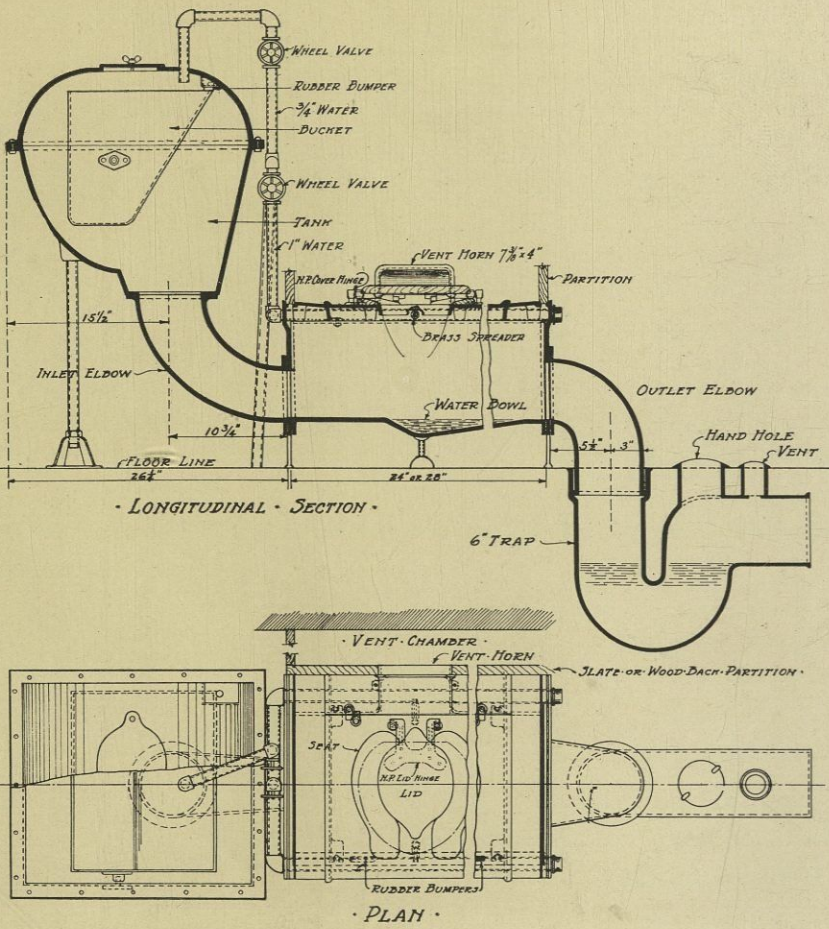
AUTOMATIC FLUSHING TANK. Consists essentially of a cast iron bucket eccentrically pivoted on bronze bearings secured to the sides of the housing. As the water fills this bucket it becomes overbalanced and discharges its entire contents through the inlet elbow into the range.

PARTITIONS. These may be of any kind or size to suit conditions. Porcelain enameled cast iron partitions (size 26"x44") and backs as shown are preferable, not only for beauty, but for cleanliness and sanitation as well.

ENAMELING. All surfaces, hidden as well as exposed, are heavily porcelain enameled, hard, smooth surface of pure glassy white, positively non-absorbent, and will not craze or crack.

SPECIFICATIONS. No. Wanted. "EBINGER" Ventilated Range Closets, 24" or 28" sections, with Automatic Flushing Tank, inlet and outlet connections, sanitary composite seats with porcelain enameled seat plates. Opening in these plates extended both front and rear and provided with quartered oak seat pieces and cover. Hinges for seat covers shall have stops to prevent standing open when not occupied. Adjustable sprays shall be provided at both front and rear of bowl. All bowls to have 2 in. depression under seat that will stand full of water at all times and shall have vent openings at the rear of bowls, each having an effective vent area of 15 sq. in. Bowl, seat plates, end plates, inlet and outlet elbows shall be heavily porcelain enameled all over, whether exposed or hidden.

Said closet combination to be as described on Plate B-21 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.


WHEEL VALVE
RUBBER BUMPER
3/4" WATER
BUCKET
WHEEL VALVE
TANK
1" WATER
VENT HORN 7 7/8"x4"
N.P. COVER HINGE
PARTITION
15 1/2"
BRASS SPREADER
INLET ELBOW
OUTLET ELBOW
WATER BOWL
10 3/4"
5 1/2"
3"
HAND HOLE
VENT
FLOOR LINE
26 1/4"
24" or 28"
6" TRAP
VENT · CHAMBER
VENT · HORN
SLATE · OR · WOOD · BACK · PARTITION
SEAT
N.P. LID HINGE
LID
RUBBER BUMPERS

· LONGITUDINAL · SECTION ·

· PLAN ·

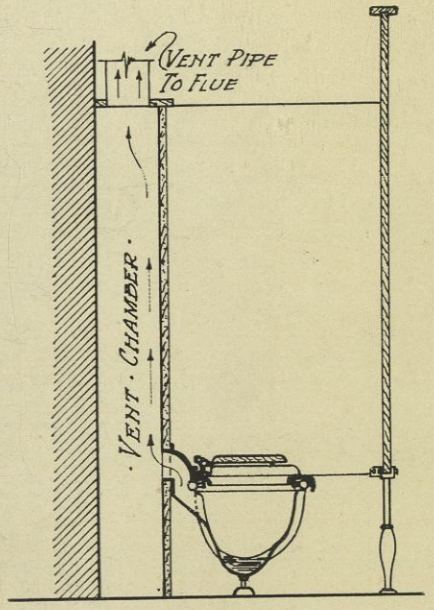
DETAIL

"EBINGER" Ventilated Range Closet
Plate B-21

AN accurate knowledge of the relative position of parts may be gained by reference to the above drawings.

Full instructions for erecting and operating are furnished with each fixture.

All information essential to "roughing in" will be sent on request.


VENT PIPE TO FLUE
VENT · CHAMBER ·

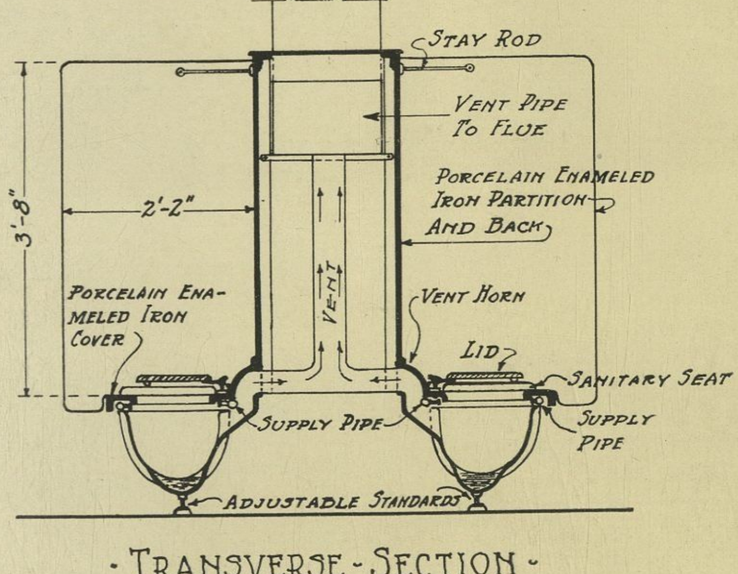
-TRANSVERSE - SECTION -

· SINGLE - RANGE -

Sectional Details of Ventilated Range Closets

Plate B-21

ARRANGED in single and double ranges. Partitions may be of any size or style to suit conditions. The lower illustration shows all-porcelain enameled partitions (size 26"x44") and backs, which are preferable, not only for beauty but for cleanliness as well.


STAY ROD
VENT PIPE TO FLUE
PORCELAIN ENAMELED IRON PARTITION AND BACK
3'-8"
2'-2"
VENT
PORCELAIN ENAMELED IRON COVER
VENT HORN
LID
SANITARY SEAT
SUPPLY PIPE
SUPPLY PIPE
ADJUSTABLE STANDARDS

· TRANSVERSE - SECTION -

· DOUBLE · RANGE ·

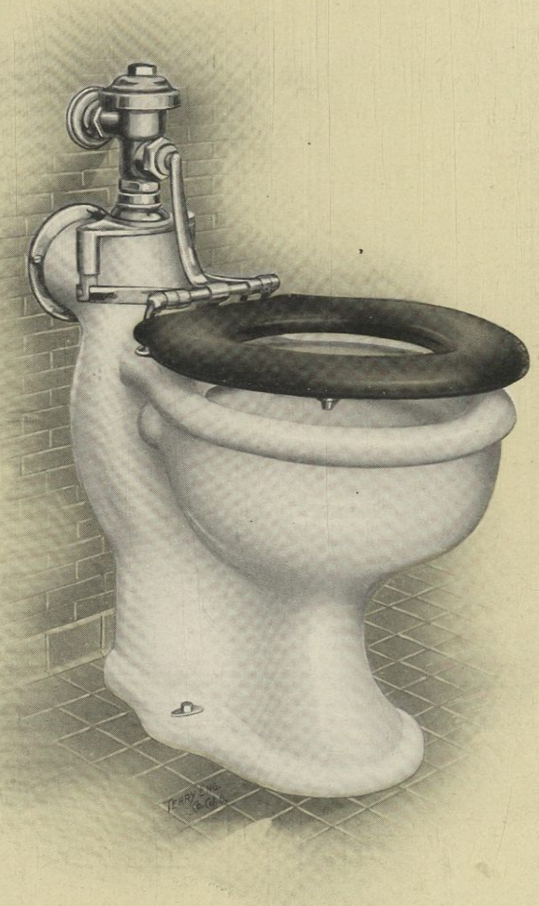

TERRY ENG. Co. Col. O.

Plate B-24. (Patent Pending.)

"EBINGER" Ventilated Individual Closet

With Seat-Action Flush Valve.

Plate B-24.

"EBINGER" Ventilated Individual Closet

With Seat-Action Flush Valve

VENTILATED Automatic Seat-action Closet, positive Flush-valve, quartered oak seat and Ventilated Syphon-jet Bowl, for School, Office, Library Buildings and Public Places.

BOWL. Heavy vitreous china "Devoro" Syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. It has a deep seal, full 3⅝", a water area 10"x12" and a water way of large caliber, passing a ball 2½" in diameter freely. Has an enlarged down-leg which makes possible a really noiseless operation. (See page 34).

SEAT. Heavy quartered oak seat, having underneath a heavy brass reinforcement plate. All seats cut from 1½" stock, selected quarter-sawed oak, rub finish, extra heavy nickle plated cast brass bar hinges. Hinge post washers are of lead which, when drawn up, expand so as to completely fill the opening, insuring a rigid connection between seat and bowl.

FLUSH VALVE. Bronze metal, heavily nickled, with nickle plated push button, 1" back inlet, union outlet. Cannot be held open to waste water and does not require regulating as it flushes the same amount under any pressure between five and one hundred pounds.

SEAT ACTION DEVICE. Is simple, of few parts, made of extra heavy cast brass and especially constructed to withstand the rough usage customary in public places. Is certain to flush every time for either child or adult.

GUARANTEE. We guarantee this combination to perform the service for which it is intended in a thoroughly reliable and efficient manner when properly installed.

SPECIFICATIONS. Quantity Wanted. "EBINGER" Ventilated Individual Closets with positive seat-action flush-valve, reinforced quarter sawed oak seat, vitreous china, Syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. Said closet combination to be as described on Plate B-24 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

Plate B-23. Same as described excepting that Ventilated "Expulso" closet bowl (see page 35) is used in place of Syphon-jet.

Either of the above combinations may be furnished with smaller vent having a net effective area of 5 sq. in.

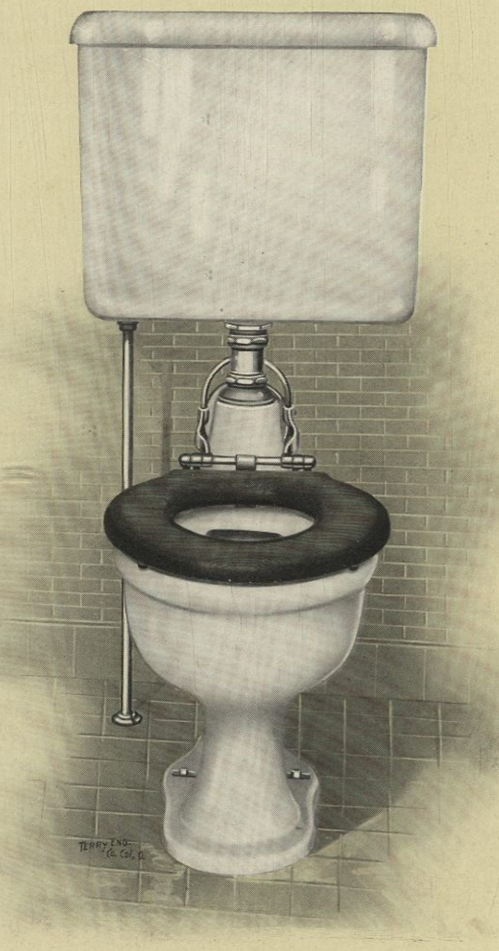

TERRY ENG. Co. Col. O.

Plate B-27. (Patent Pending.)

"EBINGER" Ventilated Individual Closet

With Seat-Action Tank.

Plate B-27.

"EBINGER" Ventilated Individual Closet

With Seat-Action Enameled Tank.

VENTILATED Automatic Seat-action Closet, porcelain enameled tank, quartered oak seat and ventilated Syphon-jet bowl, for School, Office, Library Buildings and Public Places.

BOWL. Heavy vitreous china "Devoro" Syphon-jet bowl with "Integro" vent, having an effective vent area above the flush rim of 8.25 sq. in. It has a deep seal, full 3⅝", a water area 10x12", and a water way of large caliber, passing a ball 2½" in diameter freely. Has an enlarged down-leg which makes possible a really noiseless operation. (See page 34).

SEAT. Heavy quartered oak seat, having underneath a heavy cast brass reinforcement plate. All seats cut from 1½" stock, selected quarter-sawed oak, rub finish, extra heavy nickle plated cast brass bar hinges. Hinge post washers are of lead which, when drawn up, expand so as to completely fill the opening insuring a rigid connection between seat and bowl.

TANK. This is the most up-to-date iron tank, heavily porcelain enameled (enameled inside and outside), hard, smooth surface of pure, glassy white, positively non-absorbent and will not craze or crack.

MECHANISM. All parts are made of the best quality red brass. The ball-cock has only two working parts, the simple construction of the plunger making it impossible to corrode, stick or leak through in any kind of mineral water.

SEAT ACTION DEVICE. Is simple, of few parts, made of heavy cast brass and especially constructed to withstand the rough usage customary in public places. Is certain to flush every time for either child or adult.

GUARANTEE. We guarantee this combination to perform the work for which it is intended in a thoroughly reliable and efficient manner when properly installed.

SPECIFICATIONS. ______No. Wanted.______ "EBINGER" Ventilated Individual Closets with positive seat-action, porcelain enameled tank equipped with faultless ball-cock and silent flush mechanism, reinforced quarter-sawed oak seat, vitreous china, syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. Said closet combination to be as described on Plate B-27 in the catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Onio.

Plate B-26. Same as described excepting that Ventilated "Expulso" Closet Bowl (see page 35) is used in place of Syphon-jet.

Either of the above combinations may be furnished with smaller vent having a net effective area of 5 sq. inches.

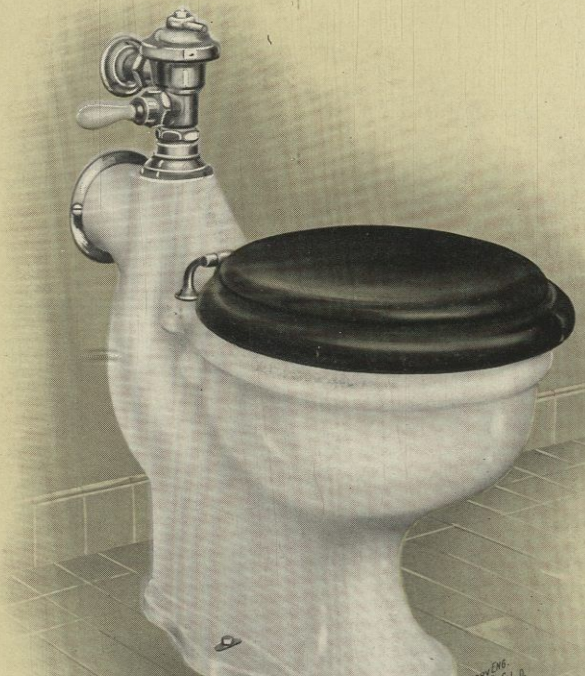

TERRY ENG. CO. Col. O.

Plate B-29.

"EBINGER" Ventilated Individual Closet

With Positive Flush Valve and China Handle.

Plate B-29.

"EBINGER" Ventilated Individual Closet

With Positive Flush Valve and China Handle.

VENTILATIED Individual Closet, positive Flush-valve, oak or mahogany seat and Ventilated Siphon-jet Bowl, for Residences, Office, Library Buildings and Semi-public Places.

BOWL. Heavy vitrous china "Devoro"Syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. It has a deep seal, full 3⅝", a water area 10"x12" and a water way of large caliber, passing a ball 2½" in diameter freely. It has an enlarged down-leg which makes possible a really noiseless operation. (See page 34).

SEAT. Plain, semi, or full saddle seat and lid. All seats cut from 1½" stock, extra heavy nickle plated cast brass bar hinges.

In natural, antique or golden oak and imitation or genuine mahogany. Rub or polished finish.

FLUSH VALVE. Bronze metal, heavily nickled, with china handle, 1¼ back inlet, union outlet. Cannot be held open to waste water and does not require regulating as they flush the same amount under any pressure between five and one hundred pounds.

GUARANTEE. We guarantee this combination to perform the service for which it is intended in a thoroughly reliable and efficient manner when properly installed.

SPECIFICATIONS. Quantity Wanted. "EBINGER" Ventilated Individual Closets; positive Flush-valve with china handle, style, kind and finish. seat and lid, vitreous china, Syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. Said closet combination to be as described on Plate B-29 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

Plate B-28. Same as described, excepting that Ventilated "Expulso" Closet Bowl (see page 35) is used in place of Syphon-jet.

Either of the above combinations may be furnished with smaller vent having a net effective area of 5 sq. in.

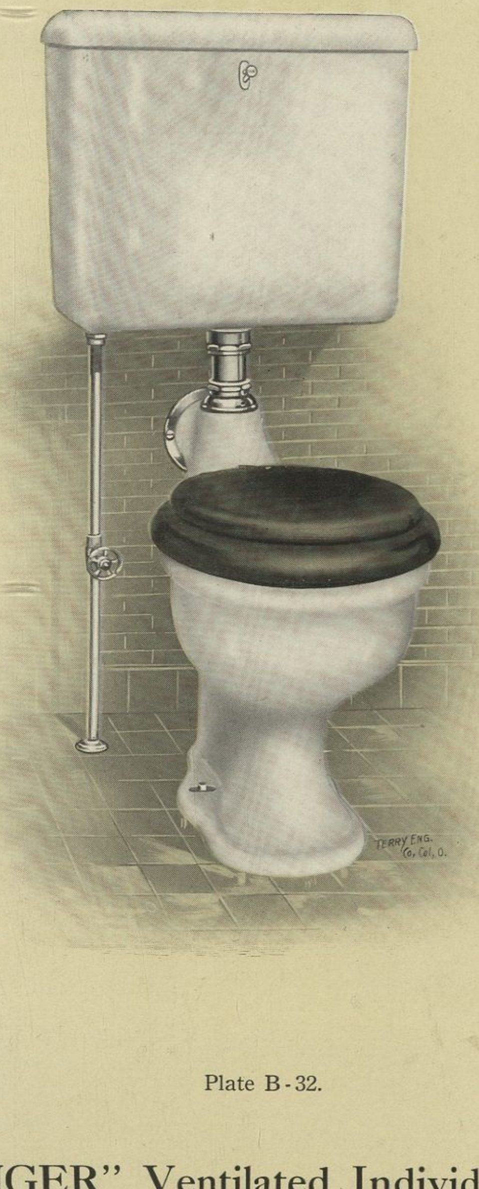

TERRY ENG. Co. Col. O.

Plate B-32.

"EBINGER" Ventilated Individual Closet

With Porcelain Enameled Tank.

Plate B-32.

"EBINGER" Ventilated Individual Closet

With Porcelain Enameled Tank.

VENTILATED Syphon-jet Closet, porcelain enameled tank, oak or mahogany seat and Ventilated Syphon-jet Bowl, for Residences, Office, Library Buildings and Public Places.

BOWL. Heavy vitreous china "Devoro" Syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. It has a deep seal, full 3⅝", a water area 10"x12" and a water way of large caliber, passing a ball 2½" in diameter freely. Has an enlarged down-leg which makes possible a really noiseless operation. (See page 34).

SEAT. Plain, semi, or full saddle seat and lid. All seats cut from 1½" stock, extra heavy nickle plated cast brass bar hinges.

In natural, antique or golden oak and imitation or genuine mahogany. Rub or polish finish.

TANK. This is the most up-to-date iron tank, heavily porcelain enameled (enameled inside and outside), hard smooth surface of pure, glassy white, positively non-absorbent, and will not craze or crack.

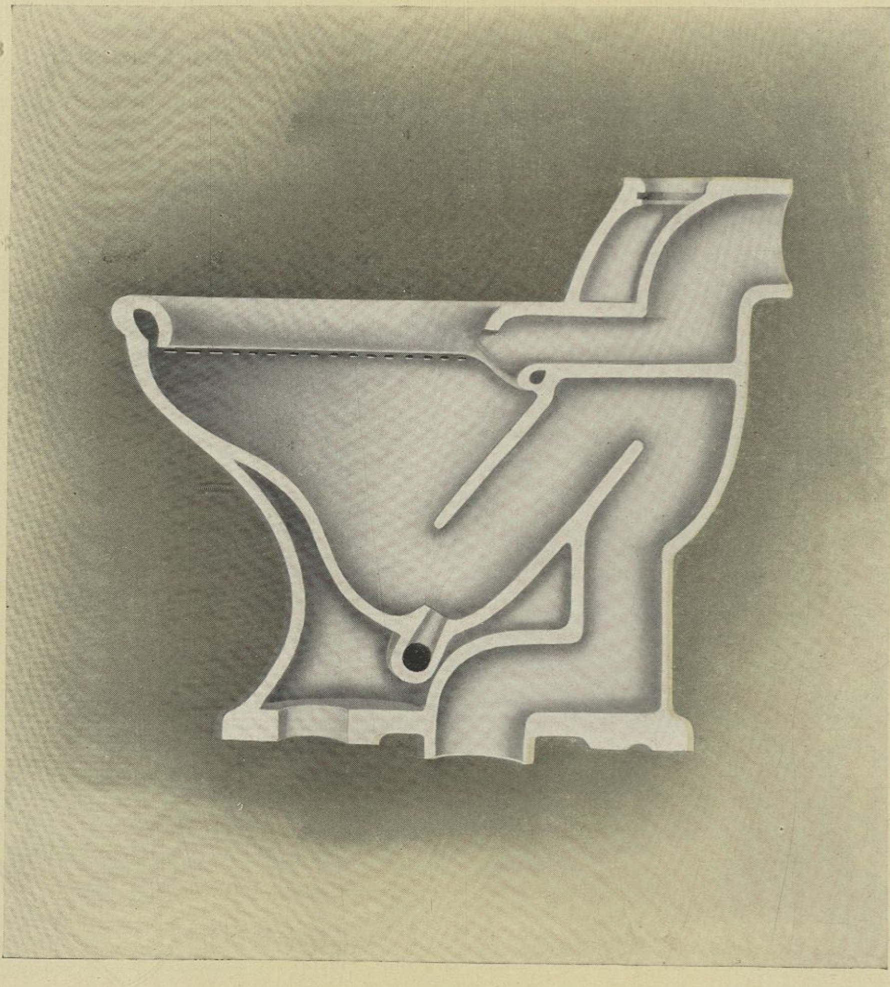
MECHANISM. All parts are made of the best quality brass. The ball-cock has only two working parts, the simple construction of the plunger making it impossible to corrode, stick or leak through in any kind of mineral water. Flush mechanism connected to push button with china index.

GUARANTEE. We guarantee this combination to perform the service for which it is intended in a thoroughly reliable and efficient manner when properly installed.

SPECIFICATIONS. __Quantity Wanted.__ "EBINGER" Ventilated Individual Closets, with porcelain enameled tank and cover, equipped with faultless ball-cock and silent flush mechanism, __Style, kind and finish seat and lid.__ vitreous china, Syphon-jet bowl with "Integro" vent having an effective vent area above the flush rim of 8.25 sq. in. Said closet combination to be as described on Plate B-32 in catalog of The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio.

Plate ~~B-23~~ B31. Same as above described excepting that Ventilated "Expulso" closet bowl (see page 35) is used instead of Syphon-jet.

Either of the above combinations may be furnished with smaller vent having a net effective area of 5 sq. inches.



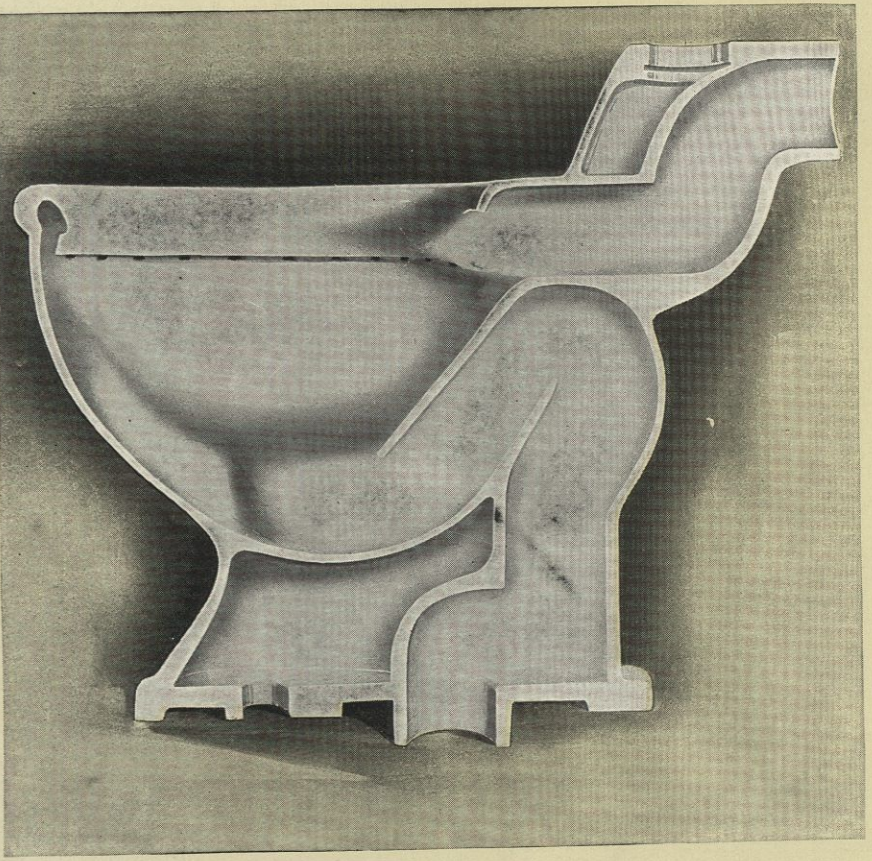
Sectional View of "Devoro" Closet Bowl with "Integro" Vent

THIS bowl, while following the lines of the Syphon-jet and employing the jet in operation, has a new principle in operation, similar to the "Expulso," consisting of an enlarged down-leg, which feature makes possible some remarkable results, the most gratifying being that of noiseless operation.

So quiet is the operation of the "DEVORO" that "soundless" best describes it, while at the same time a very deep seal, full 3⅝ inches, with a water area 10 x 12 inches, is made possible by the new principles described.

The waterway is exceptionally large, passing freely a ball 2½ inches in diameter.

The ventilation takes place entirely above the flush rim which renders impossible the obstruction or checking of the ventilation when the bowl is flushed.



Sectional View of "Expulso" Closet Bowl with Raised Rear Vent

THIS closet is a New and Unique Design of Water Closet Structure, and except for the "Devoro" Syphon Jet has better working features than any other closet made.

The water is concentrated in a channel at the front of the closet and directed to the outlet, securing an expulsive effect which discharges the contents promptly without rise or commotion.

The "EXPULSO" Bowl has a deep seal, full three (3) inches, a water area 9 x 11 inches and a water way of large caliber, passing a ball 2½ inches in diameter freely.

As in the "DEVORO" bowl the ventilation takes place entirely above the flush rim which renders impossible the obstruction or checking of the ventilation when the bowl is flushed.

THE States of Massachusetts, Louisiana, Michigan, Kansas and Wisconsin have enacted laws prohibiting the use of the drinking cup in schools, railroad stations, public buildings, factories, etc.

In many other places where no such laws have been enacted, school boards, public officials and those in charge of public institutions, realizing the danger which lurks in the drinking cup, have, acting on their own initiative, declared against it, and are urging the installation and use of Sanitary Drinking Fountains.

"EBINGER" Drinking Fountains are sanitary, efficient and durable.

"SECTION C"

ILLUSTRATING AND DESCRIBING

SANITARY DRINKING FOUNTAINS

FOR

SCHOOLS, RAILROAD STATIONS,
PUBLIC INSTITUTIONS
AND
FACTORIES.

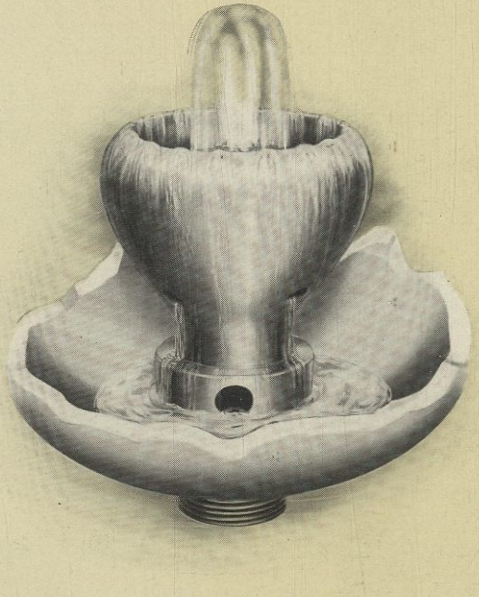


Plate C-42.

"EBINGER" Sanitary Bubbling Fountain

Special Features:

1. Absolutely sanitary, it being impossible to drink except from center "Bubbling" Stream.

2. It is a physical impossibility for the face, lips or tongue to come in contact with any metal or substance other than the running water.

3. The bubbling stream is regulated to height desired by a concealed regulating screw.

4. It cannot be sprayed.

5. Substantially and simply constructed of solid cast bronze heavily nickle-plated thus rendering it absolutely fool-proof and indestructible.

Adjustable Bubbling Fountain

This fountain is adjustable so as to secure any desired height of jet or bubbling stream using the minimum amount of water.

Possesses all desirable features of a sanitary fountain in that it is adjustable, sanitary, fool-proof and efficient.

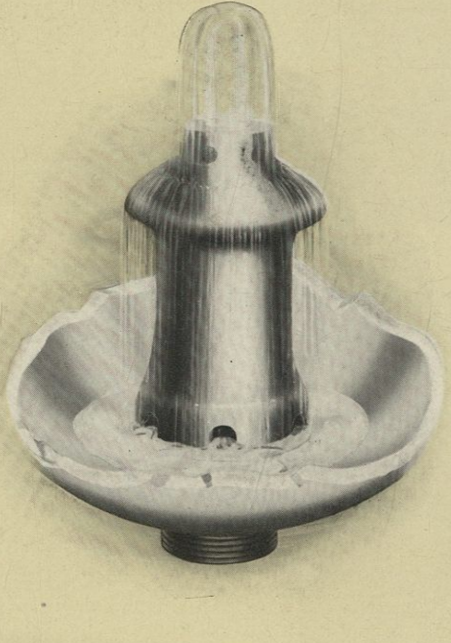


Plate C-41.

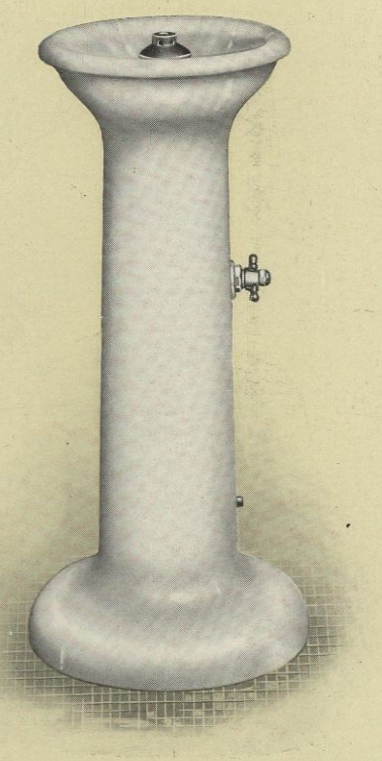


Plate C - 51.

"EBINGER" Enameled Iron Pedestal Drinking Fountain

WITH nickle plated Fountain (C-41 or C-42), concealed galvanized supply and waste pipe and regulating valve. With or without self-closing valve. Can furnish also with self-closing pedal valve and floor plate.

DIMENSIONS

Height	30" 36"
Diam. of Bowl	13½"
Diam. of Bowl	13½"

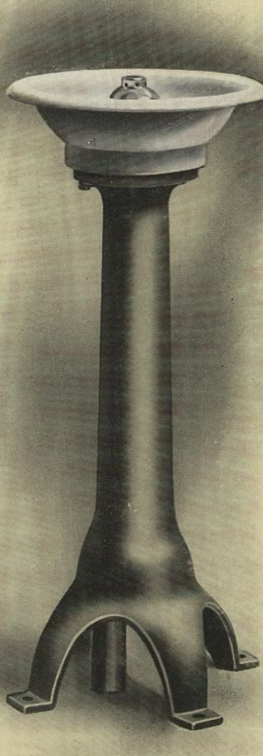


Plate C-52.

"EBINGER" Pedestal Drinking Fountain

WITH porcelain enameled bowl, bronzed pedestal, nickle plated Fountain (C-41 or C-42), concealed galvanized supply and waste pipe and regulating valve with loose key.

DIMENSIONS

Height	32½
Diam. of bowl	13½

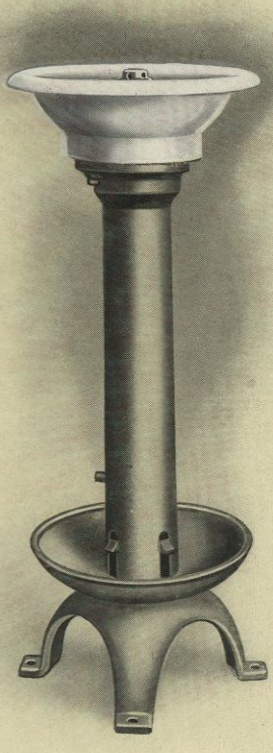


Plate C-53. (Patented.)

"EBINGER" Pedestal Drinking Fountain and Dog Trough

WITH porcelain enameled bowl, bronzed pedestal, nickle plated Fountain (C-41 or C-42), concealed galvanized supply and waste pipe and regulating valve with loose key. Can furnish pedestal and trough porcelain enameled all over.

DIMENSIONS

Height	32½"
Diam. of bowl	13½"
Diam. of dog trough	12"

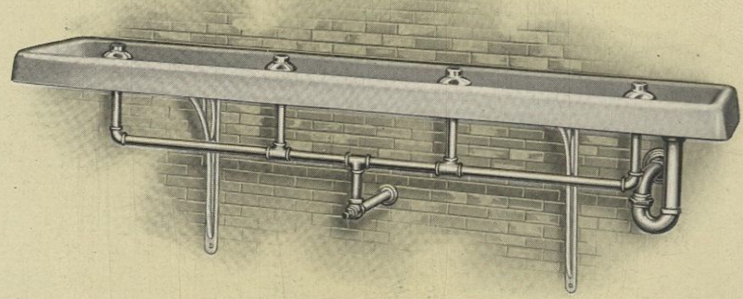


Plate C-61.

"EBINGER" Porcelain Enameled Range Fountain

PORCELAIN enameled, roll rim, receptor with enameled brackets, nickle plated fountains, (C-41 or C-42), strainer and coupling, ½" nickle plated brass supply pipe to wall, ½" loose key angle stop cock and 1¼" "P" trap. Enameled receptor 15" wide and 3" deep.

SIZES

56 inches	4 cups
42 inches	3 cups
30 inches	2 cups

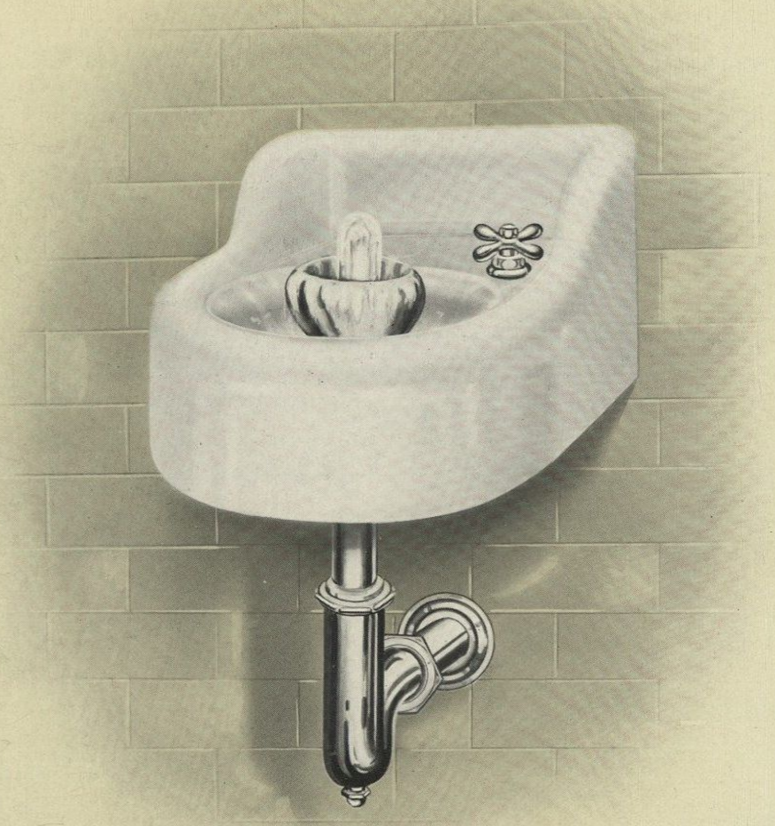


Plate C - 62.

"EBINGER" Porcelain Enameled Wall Fountain

PORCELAIN enameled bowl with apron and concealed wall hanger with nickle plated fountain (C-41 or C-42), nickle plated combination supply and waste fitting, nickle plated trap, waste and supply pipe with loose key regulating valve. With or without self-closing valve and nickle plated escutcheon.

DIMENSIONS

Outside diameter of bowl	13"
Wall to front of bowl	14"
Height on wall	7"

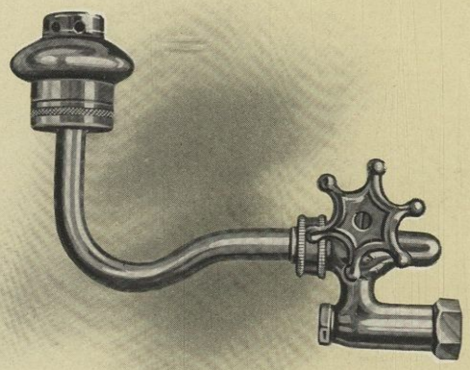


Plate C-72. (Patented.)

"EBINGER" Sanitary Drinking Fountain

With Self-Closing Valve and Regulating Screw.

FOR lavatories and sinks. Nickle plated valve arm, and fountain head (C-41 or C-42) with knurled lock band.

DIMENSIONS

Center of cup to wall . 8½"
Threaded for ½" pipe.

"EBINGER" Swing Arm Fountains

With Regulating Screw.

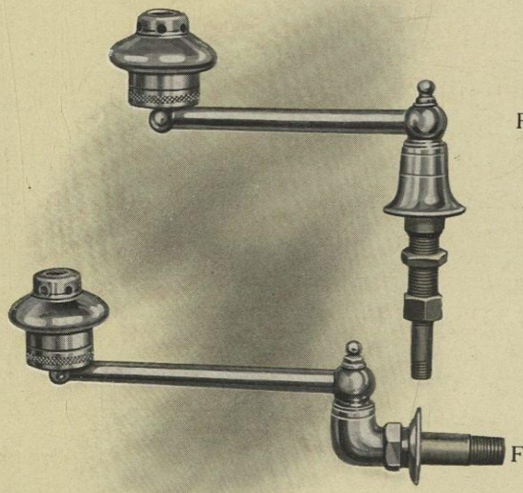


Plate C-71. (Patent Pending.

FOUNTAINS are made with Swing Valve and have standard connections for attachment to lavatories, walls or sinks.

Figure 1 has a Swinging Spout, operating horizontally, the movement over and out of basin radius opening and closing the valve.

Figure 2 is for wall or sink use.

Standard length of spouts is 7 inches, but we can furnish in greater lengths for use where it is necessary to bring the cups closer to outer edge of bowl.

Furnished complete as described with 7" arm, and nickle plated Fountain head (C-41 or C-42) with knurled lock band.

Toilet-Room Ventilation

IN the ventilation of toilet rooms, it is evident that the first consideration is not so much the supplying of fresh air to these rooms as some method by which the vitiated atmosphere can be most quickly removed.

This is best accomplished by exhausting directly through the fixtures, connected with some device for creating a positive upward or outward movement of air, the fresh air for ventilation being obtained by the inrush from adjacent rooms due to the slightly lower air-pressure in the toilet room on account of the continuous exhaust. This method not only produces satisfactory ventilation, but makes it positive that there can be no escape of disagreeable odors to adjacent rooms and also insures a pure atmosphere in the toilet-room.

Different methods may be used to create the upward movement of the air in the ventilating duct, depending largely upon the building.

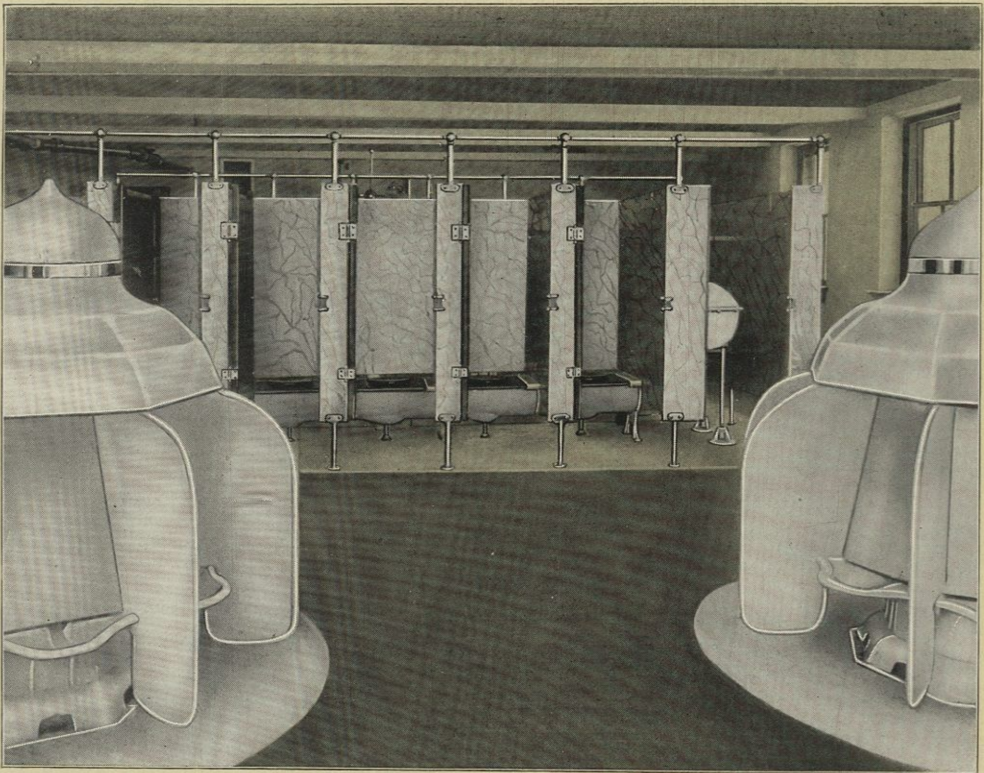
The simplest and least expensive method is to connect the vents from the various fixtures in the room and carry this duct through the roof, capping the same with some good ventilator.

In a larger building, a very simple method for producing a good movement of air is to place a small stack heater or a loop of steam pipe in the main uptake duct to which all fixtures are connected (See page 49).

Where electricity is available or the water supply ample, the main vent duct can be connected with a small disc fan (see page 48). This gives excellent results, and the cost for power is remarkably small, considering the results accomplished.

When the buildings are of sufficient size and importance to justify the expense, the regular type of steel-cased exhaust fan is to be preferred (See page 52).

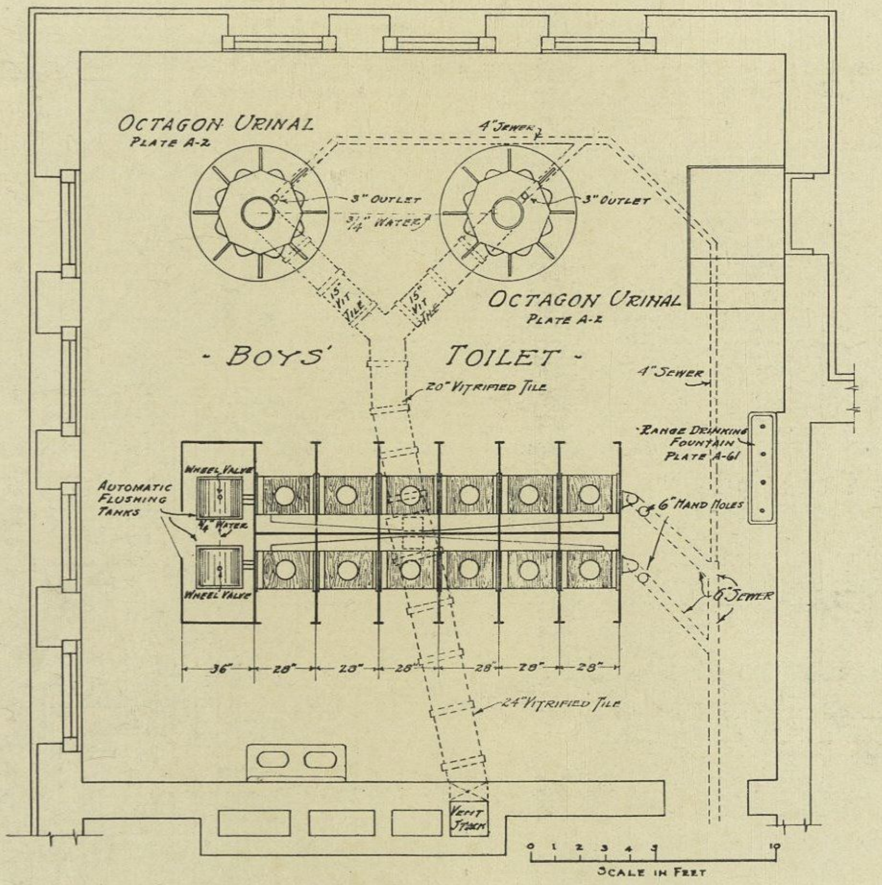
In the following pages it is intended to illustrate and describe how these different methods are best applied so as to secure toilet rooms that are entirely free from all obnoxious odors.



Boys' Toilet Room, Champion Avenue School, Columbus, Ohio

THE above illustration shows our Ventilated Octagon Urinals and Ventilated Range Closets installed and connected with the vent flue through an underground vitrified tile duct.

There is nothing to offend the eye, and the ventilation obtained is perfect. Nothing in the shape of a Deodorizer or Disinfectant has ever been used in this building. This is always the case wherever "Ebinger" equipment is used.


OCTAGON URINAL
PLATE A-2
4" SEWER
3" OUTLET
3/4" WATER
3" OUTLET
15" VIT TILE
15" VIT TILE
OCTAGON URINAL
PLATE A-2
- BOYS' TOILET -
20" VITRIFIED TILE
4" SEWER
RANGE DRINKING FOUNTAIN PLATE A-61
AUTOMATIC FLUSHING TANKS
WHEEL VALVE
3/4" WATER
WHEEL VALVE
6" HAND HOLES
6" SEWER
36"
28"
20"
28"
28"
28"
28"
24" VITRIFIED TILE
VENT STACK
0 1 2 3 4 5 10
SCALE IN FEET

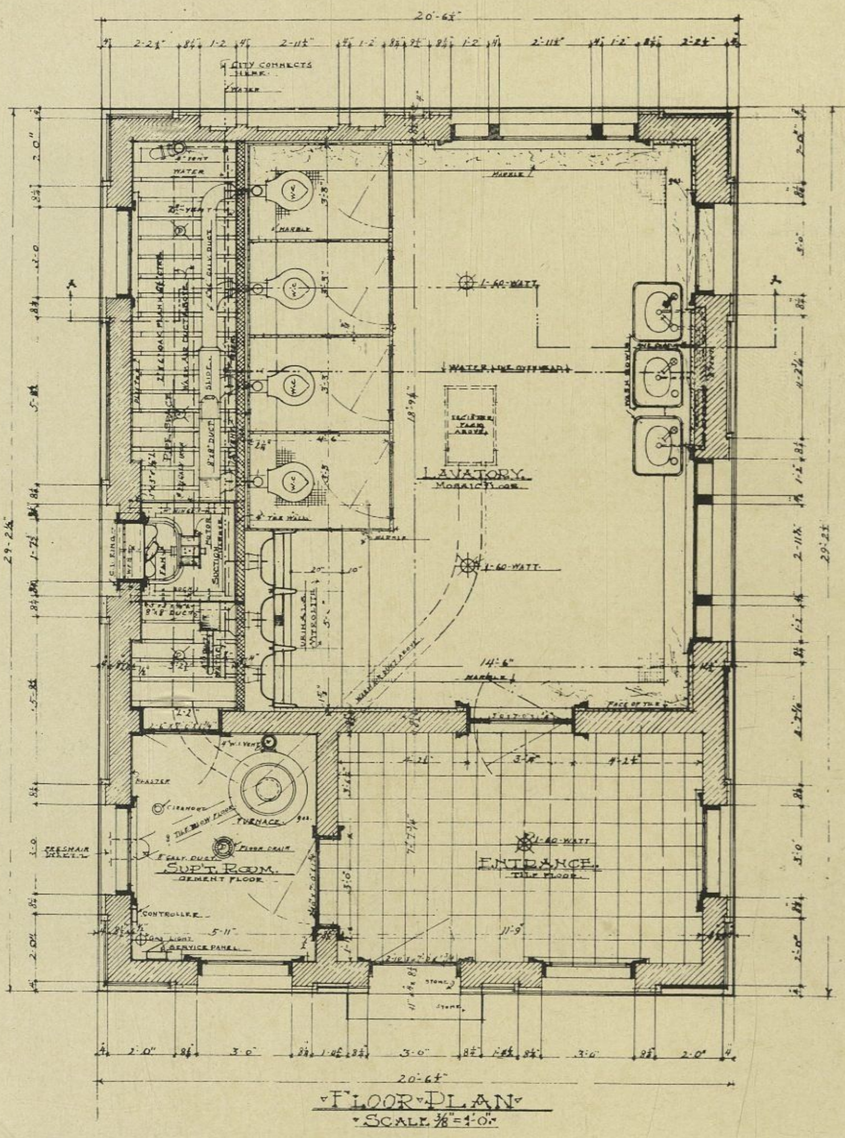
Plan of Boys' Toilet Room

Illustrating Underground System of Ventilation.

THIS represents the general arrangement of a toilet room fitted with our ventilated fixtures.

We are prepared to make complete lay-out drawings and estimates for installing sanitary ventilated fixtures in any public toilet room.

Send us your plans and specifications.

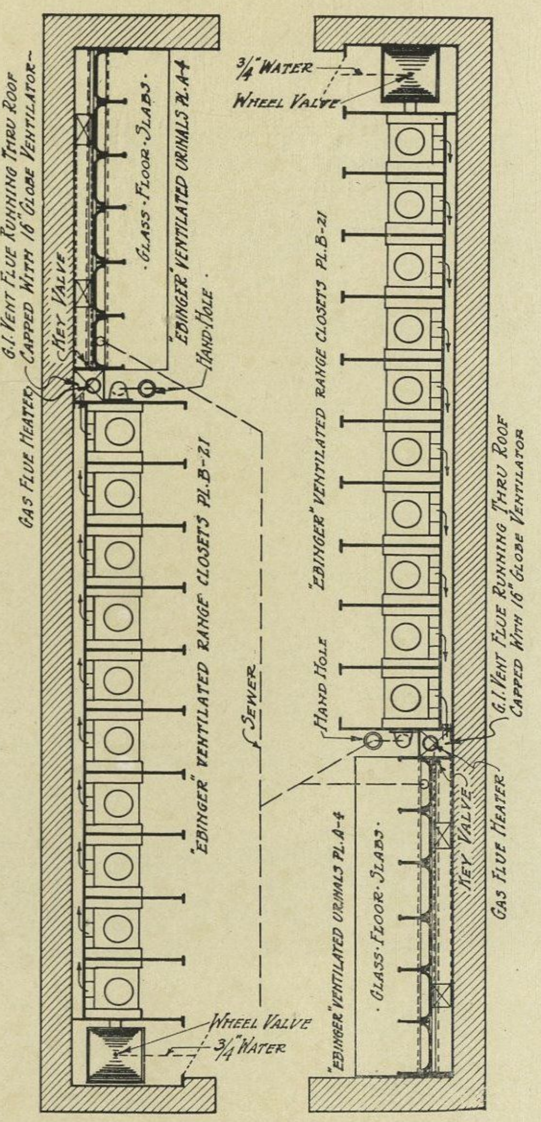

20'-6¼"
CITY CONNECTS HERE
WATER
MARBLE
LAVATORY
MOSAIC FLOOR
1-60-WATT
WATER LINE OVERHEAD
WASH BOWLS
URINALS VITREOLITE
FAN
SUCTION
EXH. DUCT
SUP'T. ROOM
CEMENT FLOOR
FURNACE
CONTROLLER
SERVICE PANEL
ENTRANCE
TILE FLOOR
29'-2½"
FLOOR PLAN
SCALE ⅛"=1'-0"

Plan of Public Comfort Station, Columbus, Ohio

THE entire station is ventilated through the Closets and Urinals, the vents for these being united and run to an exhaust fan.

Fresh air, which is warmed in passing through the gas heater, is drawn in through a register at the ceiling to replace the air exhausted.

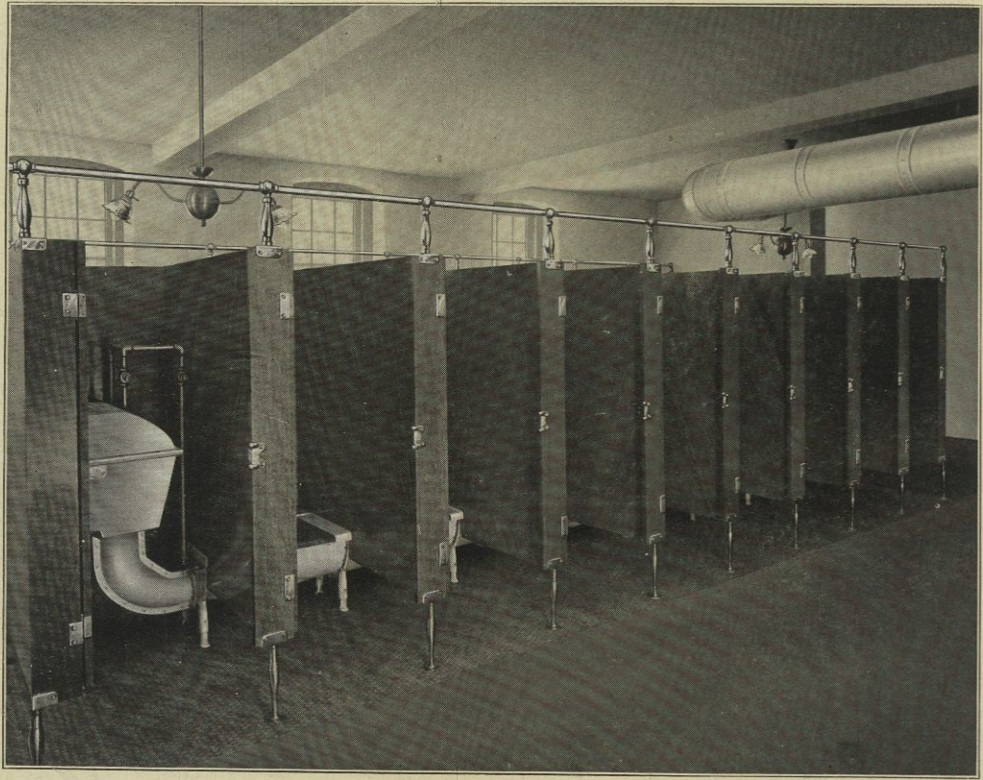
This illustration should be of special interest in view of the increasing number of Public Comfort Stations which are being built.


G.I. VENT FLUE RUNNING THRU ROOF CAPPED WITH 16" GLOBE VENTILATOR
KEY VALVE
GLASS·FLOOR·SLABS
"EBINGER" VENTILATED URINALS PL. A-4
HAND-HOLE
GAS FLUE HEATER
"EBINGER" VENTILATED RANGE CLOSETS PL. B-21
SEWER
WHEEL VALVE
3/4" WATER
3/4" WATER
WHEEL VALVE
"EBINGER" VENTILATED RANGE CLOSETS PL. B-21
HAND HOLE
G.I. VENT FLUE RUNNING THRU ROOF CAPPED WITH 16" GLOBE VENTILATOR
KEY VALVE
GAS FLUE HEATER
GLASS·FLOOR·SLABS
"EBINGER" VENTILATED URINALS PL. A-4

Plan of Toilet Rooms, Buckeye Steel Castings Co., Columbus, Ohio

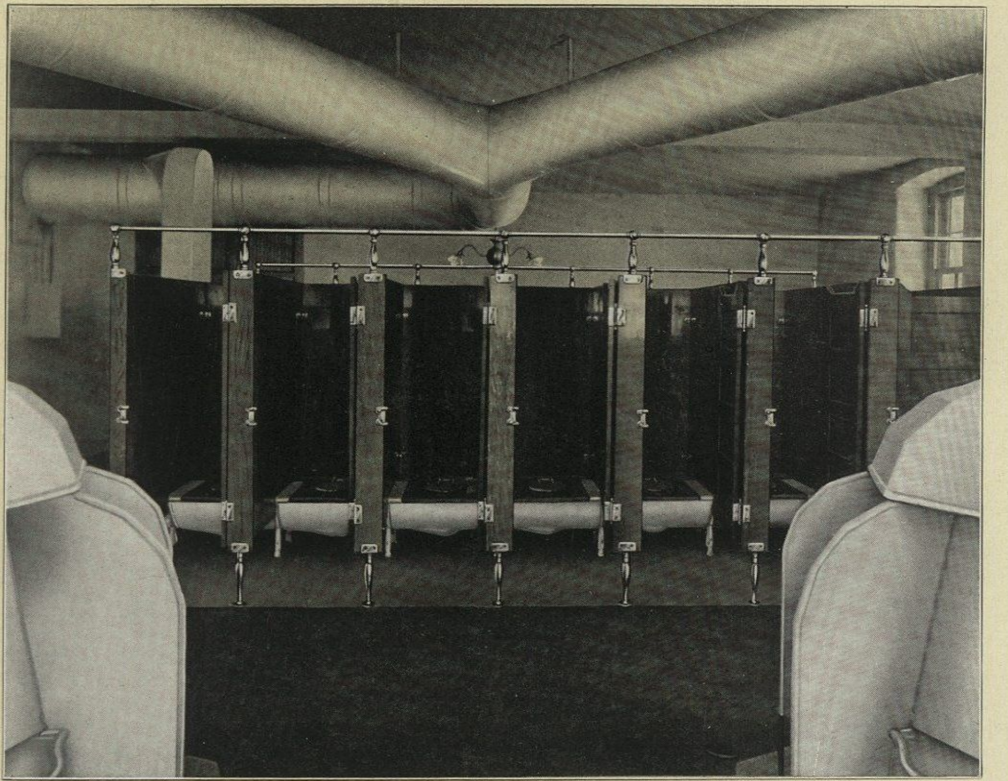
THE toilet rooms in this factory are located in one-story buildings built specially for this purpose.

The vents for the closet and urinal ranges on each side of the room are connected to the main ventilating flues by means of galvanized iron ducts. Gas stack heater in each flue causes a continuous upward movement, which draws the air into the flue thus creating a circulation of air through the closet and urinal vents.



Girls' Toilet Room, West High School, Columbus, Ohio

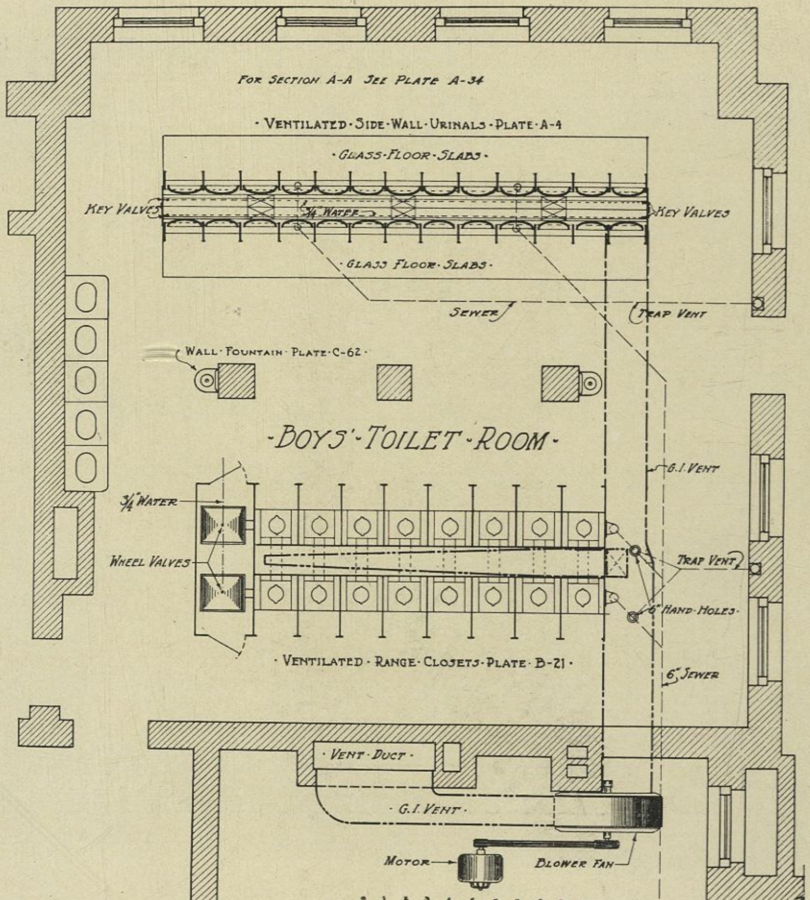
IN this toilet room there are installed two sections of the "EBINGER" Range Closets placed back to back and set up with marble partitions. The ventilation is taken care of by an overhead galvanized iron vent pipe connecting with flue. The ventilation is induced by an 18" disc fan placed in the main G. I. vent duct where it enters the flue. Fan is bolted firmly to wall.



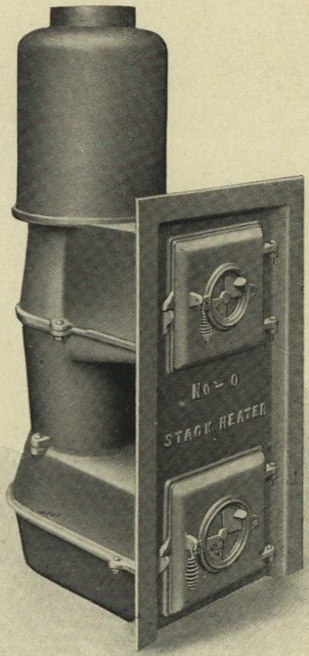
Boys' Toilet Room, West High School, Columbus, Ohio

THE fixtures installed in this room consist of two "EBINGER" Ventilated Octagon Urinals and two sections of six closets each placed back to back and set up with marble partitions.

All odors are carried out through the fixtures and galvanized iron ducts to the vent flue.


FOR SECTION A-A SEE PLATE A-34
· VENTILATED · SIDE · WALL · URINALS · PLATE · A-4
· GLASS · FLOOR · SLABS ·
KEY VALVES
3/4" WATER
KEY VALVES
· GLASS FLOOR · SLABS ·
SEWER
TRAP VENT
WALL · FOUNTAIN · PLATE · C-62 ·
-BOYS' - TOILET - ROOM -
G.I. VENT
3/4" WATER
WHEEL VALVES
TRAP VENT
6" HAND · HOLES ·
· VENTILATED · RANGE · CLOSETS · PLATE · B-21 ·
6" SEWER
· VENT · DUCT ·
· G.I. VENT ·
MOTOR
BLOWER FAN
0 1 2 3 4 5 6 7 8 9 10
· SCALE · IN · FEET ·

TYPICAL Ebinger Installation showing Side-wall Urinals and Ventilated Range Closets arranged back to back. An overhead G. I. duct connecting with steel-cased exhaust fan carries off all odors.



"EBINGER" Stack Heater

Used in Connection with

Ventilated Closet and Urinal Systems

This heater is used in connection with VENTILATED TOILET FIXTURES to insure positive ventilation from fixtures into stacks.

Being placed in base of Vent Stack creates and maintains a continuous draft through stack when fired. These Heaters are very heavy and durable, being built for hard and continuous service.

How to Order "EBINGER" Ventilated Toilet Room Fixtures

WHEN ordering or specifying "EBINGER" Ventilated Toilet Room Fixtures, always give plate number and catalog letter to prevent substitution of inferior material and to avoid confusion and errors.

In every case be sure to give: First, the number of fixtures desired; second, the finish, whether enameled inside and outside or on the inside only; third, the relative position of outlet when facing the fixture; fourth, a complete and accurate description of any change or other arrangement than shown herein; fifth, shipping directions should accompany each order.

EXPLANATORY NOTE

The term "enameled all over" or "enameled inside and outside" signifies that all parts of the fixture, both exposed and hidden, are enameled.

The term "enameled inside" applied to Range Closets signifies that only the inside of the trough is enameled.

"Enameled all over" fixtures are preferable not only for beauty but for cleanliness as well.

IMPORTANT

GOODS IN TRANSIT. All goods are carefully checked, inspected and packed by experienced men, thus taking every reasonable precaution againt breakage or other damage. Our responsibility therefore ceases upon delivery of goods to transportation company.

GUARANTEE. We guarantee articles sold, but only to the extent of replacing goods found defective and will not allow any claims for labor or consequential damages. The maximum damage allowable is the net price of any defective piece, such piece to be returned before credit is given.

RETURNED GOODS. Goods returned without permission will not be credited.

PRICES are subject to change without notice.

CONTRACTS are contingent upon strikes, accidents, or other causes beyond our control.

CLAIMS for corrections must be made within ten days after receipt of goods.

ERRORS. It is impossible for any concern to conduct business without an occasional error. Customers are requested to let no error pass unnoticed as we cheerfully rectify any mistake that occurs.

CORRESPONDENCE should be addressed to the firm and not to individuals, so that it may receive our immediate attention.

CL 11/19